

# Medicare Hospital

# INFORMATION

## Report

EMBARGOED FOR RELEASE:  
WEDNESDAY, JUNE 10, 1992  
6 P.M. EDT

1992  
Tennessee

PUBS  
RA  
981  
A2  
M43  
1988-1990, v.  
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RA987  
A2  
N43  
1988-1990  
V45

# MEDICARE HOSPITAL INFORMATION

1988 • 1989 • 1990



Volume 45



## TENNESSEE



LOUIS W. SULLIVAN, M.D.  
*Secretary*  
U.S. Department of Health and Human Services

WILLIAM TOBY  
*Acting Administrator*  
Health Care Financing Administration

# STATES BY VOLUME

VOL	STATE	VOL	STATE
1	ALABAMA	28	MONTANA
2	ALASKA	29	NEBRASKA
3	ARIZONA	30	NEVADA
4	ARKANSAS	31	NEW HAMPSHIRE
5	CALIFORNIA (Part 1)	32	NEW JERSEY
6	CALIFORNIA (Part 2)	33	NEW MEXICO
7	COLORADO	34	NEW YORK
8	CONNECTICUT	35	NORTH CAROLINA
9	DELAWARE	36	NORTH DAKOTA
10	DISTRICT OF COLUMBIA	37	OHIO
11	FLORIDA	38	OKLAHOMA
12	GEORGIA	39	OREGON
13	HAWAII, AMERICAN SAMOA GUAM	40	PENNSYLVANIA
		41	PUERTO RICO VIRGIN ISLANDS
14	IDAHO	42	RHODE ISLAND
15	ILLINOIS	43	SOUTH CAROLINA
16	INDIANA	44	SOUTH DAKOTA
17	IOWA	45	TENNESSEE
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19	KENTUCKY	47	TEXAS (Part 2)
20	LOUISIANA	48	UTAH
21	MAINE	49	VERMONT
22	MARYLAND	50	VIRGINIA
23	MASSACHUSETTS	51	WASHINGTON
24	MICHIGAN	52	WEST VIRGINIA
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26	MISSISSIPPI	54	WYOMING
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## FOREWORD

The mission of the Health Care Financing Administration (HCFA) is to promote the timely delivery of appropriate, quality health care to the nation's aged, disabled, and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

To that end, the annual release of the Medicare Hospital Information report is a key element in our continuing efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. It is also an important step in helping beneficiaries make more informed health care decisions.

The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"—that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital. We also expect this information to be used by hospital administrators, physicians, peer review organizations, State survey and certification agencies, and researchers.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to the rate that would have been predicted, given what we know about the characteristics of the patients admitted?" Our basic approach to analyzing hospital mortality information has remained unchanged for the past five years; however, since the last publication of mortality information in May 1991, we have made some significant changes both in our methodology and in the way we display the results of our analysis. The four principal changes in the 1992 report are:

- A graphic presentation of the predicted and observed mortality rates for most hospitals for "All Causes" for Federal fiscal years 1988-1990 at 30, 90, and 180 days;
- The addition of information on certain variables that we use in computing the predicted mortality rates for each hospital;
- The addition of information on the geographic origin of each hospital's patients; and

- A comparison of the average length of stay in each hospital with the average for the State and Nation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed by a panel of outside experts. The methodology used to calculate the observed mortality rate, the predicted mortality rate, and the standard deviation are briefly described in the Technical Information section of the Introduction to this volume and in more detail in the Technical Supplement (Volume 55).

We acknowledge the assistance we have received from the American Hospital Association—not only for providing the information detailing selected hospital characteristics, but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to review the data thoroughly and to provide us with comments and suggestions. As before, we have published individual hospitals' comments in their respective State volumes. Over the years, these communications have helped to improve and refine the information included in this publication.

HCFA is committed to improving the Medicare Hospital Information report. To that end, we are continuing to work with representatives of hospital, consumer, employer and other organizations to make this annual report as useful as possible for all consumers.

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## INTRODUCTION

The Medicare Hospital Information report contains information on acute care hospitals that treated Medicare patients discharged in Federal fiscal year (FY) 1990 (October 1, 1989—September 30, 1990).

This year's publication set consists of 54 State volumes and a Technical Supplement (Volume 55). There is one volume per State, except that California and Texas have two volumes each, Hawaii is combined with American Samoa and Guam, and Puerto Rico and the Virgin Islands are combined together in one volume.

Each hospital's two summary data pages are arranged alphabetically by hospital name in each State volume. These data pages consist of:

- The hospital's FY 1990 Medicare hospital mortality rates;
- A graphic presentation of the predicted and observed mortality rates for **most** hospitals for "All Causes" for FYs 1988—1990 at 30, 90, and 180 days;
- The FY 1990 values for selected explanatory factors used to predict the mortality rates;
- Origins and lengths of stays of Medicare admissions; and
- Hospital characteristics, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey, Certification and Reporting System (OSCAR) file.

*Please note that the information regarding origins and lengths of stays and hospital characteristics are presented strictly for information purposes only. They were not used to calculate the hospital's predicted mortality rates.*

Toward the end of each volume, we include both State and national mortality rates developed by our analysis, as well as the comments we received from individual hospitals.

## DESCRIPTION OF MORTALITY INFORMATION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the four prior years. Only one hospitalization for every patient was used. As in last year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay was selected at random to be analyzed. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients.

Although we publish data only on deaths which occur within 180 days of admission to the hospital, for purposes of analysis our methodology actually considers deaths which occur any time within 365 days of admission (with the exception that no date of death later than April 1, 1991 is used). This is part of the formula which assesses the long-term risk of mortality. With this approach, information about the early and later results of the hospitalization is provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term effects. The choice of at least 180 days allows substantial followup consistent with timely reporting of HCFA data.

We again analyzed the data on a fiscal year, rather than on a calendar year, basis because it allows us to report on recent hospitalizations. Also, new Medicare rules are often instituted on a fiscal year basis.

For each hospital, mortality rates are presented for overall Medicare patient mortality and for eight medical conditions and nine procedures. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate.

The following information will be helpful when reviewing specific information for any given hospital.

## *Number Of Cases*

This is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases randomly selected for each hospital is presented under the category "All Causes." The eight medical condition and nine surgical procedure categories are subgroupings drawn from the "All Causes" selection. Although a particular patient may appear in only one of the eight medical condition categories, that same patient may also appear in one or more of the nine surgical procedure categories. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight medical condition categories.

The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories do not cover the reason for admission of all the hospitalized Medicare patients in this study. (The ICD-9-CM codes included in each condition and procedure category appear in Table 1 following this Introduction section.)

These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; they do not necessarily represent the cause of death. HCFA does not have access to cause of death information.

## *Observed Mortality Rate (OBS)*

The observed mortality rate for each category is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90, or 180 days of the selected admission. This rate does **not** represent the percentage whose death was caused by a particular condition or procedure.

The percentage is rounded to the nearest one-tenth of one percent. Both inhospital deaths and deaths occurring after discharge but within 30, 90, or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the "All Causes" category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent.

It is important to note that the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission.



### *Predicted Mortality Rate (PRED)*

The predicted mortality rate for each hospital's patients is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics such as:

- Principal diagnosis (grouped into 23 analytical risk categories),
- Age,
- Sex,
- Previous hospital admissions within the prior six months,
- Admission source (e.g., physician reference, skilled nursing facility reference),
- Admission type (e.g., elective or emergency), and
- The presence of up to seven comorbid conditions—cancer, chronic cardiovascular disease, chronic renal disease, chronic liver disease, chronic pulmonary disease, cerebrovascular degeneration, and chronic diabetes. A list of the ICD-9-CM codes defining the comorbid conditions is in Table 2 following this Introduction section.

### *Standard Deviation (SD)*

The standard deviation is a tool to gauge the extent to which the difference between the observed and predicted mortality rate is meaningful. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for possible concern about the institution's performance.

Information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED is included in the Technical Information section of this Introduction. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, dashes (“---”) are placed in the SD column.



## **OBSERVED MORTALITY RATE AND PREDICTED RANGE FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**

Also in this year's report, we have presented graphs that display the information for most hospitals described above for FYs 1988 and 1989, as well as FY 1990. (In particular, these graphs could not be computed for hospitals that had 50 or fewer cases or no deaths in FYs 1988, 1989, or 1990). In constructing the graphs, we used 2 times the standard deviation to approximate a 95 percent prediction interval. The observed mortality is shown as a dot (•). The predicted mortality is shown at the middle of a range of mortality rates. The bottom of the range is the predicted mortality minus twice the standard deviation, and the top of the range represents the predicted mortality plus twice the standard deviation. The graphs for FY 1988 and FY 1989 are based on new random samples and new computations for this year's report. Thus, the calculations for some hospitals for FY 1988 and FY 1989 may be different from previous releases, because we are including more current data in this year's report.

## **FY 1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

This year's report includes the FY 1990 average at each hospital of many of the explanatory factors used to predict that hospital's mortality rates. This information provides a profile of the patients used in the analysis and should help to identify possible systematic coding errors in the claims data used to calculate the mortality rates. These percentages are derived from the patients included in the sample and should be applied to the total number of cases listed in "All Causes." It is important to note that neither the admission sources/types nor the comorbidities categories are mutually exclusive. For example, a patient could be both "referred by his personal physician" and "admitted for elective procedure." Similarly, a patient could have secondary diagnoses of both cancer and diabetes.

## **INFORMATION SOURCES AND NOTES**

We believe that when the mortality rate information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital—postadmission mortality for Medicare beneficiaries.

Mortality information is not necessarily representative of a hospital's total performance in all aspects of patient care. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because its patient mix is not fully accounted for by the model.

Accordingly, we offered each hospital the opportunity to review their specific information and to provide comments to HCFA and the public, and we included those comments that were received timely at the end of this volume. Users should read the discussions about the uses and limitations of the mortality information found on page xiii, as well as any comments a hospital may have provided.

### *Hospitals In The Analysis*

The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities—all have a zero in the third position of their Medicare provider number. All other hospitals—those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions—were excluded. This year, as in the past two years, we have also excluded hospices.

In some cases, we have included data for hospitals that closed, changed ownership, or changed management either during or subsequent to FY 1990. Our data included for those institutions reflects the situation as it existed at the time the hospitalizations analyzed occurred.

### *Data Sources*

This report is based primarily on Medicare hospital billing information for Federal fiscal years 1988, 1989, and 1990. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file, which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the inpatient care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1991 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year), 98 percent of all Medicare discharges in FY 1990 are included in the file.

### *Possible Limitations Of The Data*

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. For example, last year some hospitals had not accurately reported the source or type of admission, and thus erroneous information was included in the analysis for those hospitals. However, the fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information that might be

missing or inaccurate is such a small portion of the total that it would have little effect on the results for national estimates. Nevertheless, it may substantially affect an individual hospital if it were the source of the inaccurate information.

While we feel that the information used in this analysis is thorough and complete, there are a few points to keep in mind as you review the mortality information.

The information used is billing data; it is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.

For example, following last year's public release of the hospital mortality data, several hospitals wrote to HCFA indicating that they had submitted incorrect data. Furthermore, they stated that if they had given us the correct information, their predicted mortality rates would have been higher than those presented in HCFA's report. Therefore, in this year's report we have annotated those hospitals' data pages with a footnote stating: "This hospital says that it submitted inaccurate data to Medicare and claims that its predicted mortality rate should be higher than that presented above." At this point, however, HCFA cannot confirm the validity of those hospitals' claims. The analysis results might very well be different if the data on which they were based were submitted accurately by those hospitals.

In our previous analysis of mortality data, we discovered that some States had zero admissions from a skilled nursing facility. While some of these problems were corrected on the MEDPAR files used for this analysis, at the time this study was initiated we found empirical evidence that some of the files still contained suspect information. The suspect data were identified by noting those months (date of discharge) and fiscal intermediaries for which the type and source of admission fields appeared to be interchanged. Based on our findings, we reversed these fields to at least partially correct the remaining discrepancies. The following list shows the specific instances for which the fields were reversed for this analysis.

#### TYPE AND SOURCE OF ADMISSION FLIPPED

<u>FI No.</u>	<u>FI Name</u>	<u>Dates</u>
00030	Arizona Blue Cross	10/01/86 — 12/31/88
00080	Maryland Blue Cross/DC	06/01/87 — 09/30/87
00190	Maryland Blue Cross	06/22/87 — 12/31/88
00400	Texas Blue Cross	12/07/87 — 12/31/88



## HOW TO USE THIS INFORMATION

There are several key points to remember about the use of this information. **First, it is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this report may not be a direct measure of the quality of care rendered in the hospitals.**

Second, the usefulness of this information depends upon the accuracy with which mortality rates can be predicted. We do not currently have any direct measurement tool with which we can fully adjust for severity of patient illness differences among hospitals. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex, and several other factors. This might happen because one hospital's stroke patients may consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population may represent a broader spectrum of patients with cerebrovascular problems, or because these two hospitals, in fact, do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that the information presented in this publication is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including consumers, hospital administrators, physicians, PROs, and researchers.

### *Use By Consumers — Some Key Questions*

Consumers should read carefully the explanations of the uses and limitations of the information. Listed below are some questions that we recommend a consumer think about before choosing a hospital. Please keep in mind that this is not a comprehensive list, but it should serve to illustrate the types of questions that are important to consider.

- Why are the hospital's observed mortality rates for "All Causes" consistently and significantly above the predicted rates for FY 1990?
- Why are the hospital's observed mortality rates for the condition for which I need treatment or the procedure I will undergo consistently and significantly above the predicted rates for FY 1990?
- How does this hospital's pattern of mortality compare with that of other hospitals in the State and Nation?

- Is the number of cases too small to present a satisfactory picture of the hospital?
- Does the hospital treat a large number of cases in the category for which I need treatment?
- Does the hospital treat a large number of patients who have several co-existing illnesses or who otherwise are likely to be "sicker" than average?

### *Other Users Of This Publication*

Among other users of this publication, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. We know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are seeking information that will result in improved health care delivery.

### *Outside Assistance In Developing This Publication*

The development and presentation of the Medicare Hospital Information report continues to be an important part of HCFA's responsibilities in the health care community. To make the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rates significantly exceed the rates that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians, and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information reports. Many suggestions from these sources have been incorporated into this report.



We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies rarely had an effect on a hospital's overall mortality rate. Most of these instances fell into the following two broad categories.

- **Inaccurate Date of Death** — We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was “expired” when the patient had, in fact, left the hospital alive) created many of these errors. We now have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.
- **Discrepant Case Counts** — Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this report.

*We believe it is important for consumers of health care to have access to as much information about hospitals as possible when making health care choices. Along with hospital characteristics information, we have added this year information about the origin and length of stay of Medicare admissions. This information is presented for comparative purposes only and was not used in calculating a hospital's predicted mortality rates. These data were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates.*

## ORIGIN OF MEDICARE ADMISSIONS

Data on the geographic origin of each hospital's patients are presented in this year's report. We obtained from the Health Insurance Master file the State and county of residence for each Medicare beneficiary discharged from a Medicare-certified, acute care hospital during FY 1990. We then compared that information with the location of the hospital to determine the percentage of all discharges where the patient lived within the same city/county as the hospital location, within the State where the hospital is located, or outside the State. The percentages are derived by dividing the number of discharges of beneficiaries in a geographic category by the total number of Medicare discharges from the hospital. Please note that these are percentages of total Medicare discharges, not of the mortality sample alone.

## MEDICARE AVERAGE LENGTH OF STAY

We obtained from the MEDPAR file the total days of care—both Medicare covered and noncovered—and divided that total by the number of discharges from each hospital. Total, rather than covered, days were used because, under the Prospective Payment System (PPS), if a Medicare patient has at least one day of hospital coverage available to him in the current spell of illness, the hospital will be paid the full diagnosis related group (DRG) amount plus any approved outlier amount, regardless of the number of days actually used.

Example: Hospital A had 2,513 Medicare discharges with a total of 24,379 days.

Calculation: 
$$\frac{24,379}{2,513} = 9.7 \text{ days}$$

The Medicare average length of stay is 9.7 days.

## HOSPITAL CHARACTERISTICS

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. This information was obtained from the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals, with the exception of the case mix index (CMI), which was derived from HCFA billing data. This file consists of information voluntarily reported by hospitals to the AHA. In instances where AHA data were unavailable, for example for hospitals that did not respond to the AHA survey, we derived the information from HCFA's Online Survey, Certification and Reporting system (OSCAR). The hospital characteristics and the specific special services listed were selected with the concurrence of the AHA as being those most meaningful to the Medicare population. Information on these specific data elements follows.

### *AHA Definitions (except for CMI)*

**Survey and Year** — AHA 1990. Source is the American Hospital Association's 1990 Annual Survey of Hospital files.

### **Profile**

***Total beds (#)*** — Number of beds (including subacute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

***Occupancy rate (percent)*** — Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

***Ownership/control*** — State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

***Medicare discharges*** — The total number of inpatient discharges for Medicare patients for those hospitals selected for the mortality calculations, including all discharges for persons with more than one hospitalization during the year. (The mortality data include only one randomly selected discharge for each hospitalized enrollee. Therefore, this figure may reflect more discharges than the actual number of cases randomly selected for the mortality study.)



**Case mix index (CMI)** — A measure of the overall complexity of the Medicare cases treated by a given hospital compared to the complexity of the national average case mix. The CMI represents the relative costliness of each hospital's mix of cases compared to the national average mix of cases. A CMI of greater than one means that a hospital treats more complex cases than average. A CMI of less than one means that a hospital treats less complex cases than average. The CMI for each hospital is calculated on an annual basis. In this report, the CMI presented for each hospital is calculated based on its discharges in FY 1990.

A hospital's CMI is calculated by multiplying the number of cases in each DRG by the relative weight of that DRG, summing the products, and dividing the sum by the total number of cases for the year. For calculating the FY 1990 CMI, use the DRG relative weights published in the *Federal Register*, Volume 54, Number 169, pages 36468 ff., dated September 1, 1989.

### **Staffing (all AHA counts are as of 9/30/90)**

**Total number of physicians** — Total active and associate medical staff.

**Percent of physicians who are board-certified specialists** — Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

**Medical residents/interns** — Full-time equivalent (FTE) medical residents or interns.

**Registered nurses** — Full-time equivalent (FTE) registered nurses.

**Licensed practical nurses** — Full-time equivalent (FTE) licensed practical nurses.

### **Specialty Services**

**Burn Unit** — Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

**Cardiac Intensive Care** — Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel, and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure,

open-heart surgery, or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

*Comprehensive Geriatric* — Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. It includes the assessment of medical conditions, functional activities, and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

*Hospice Care* — A program providing primarily medical relief of pain and support services to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

*Medical/Surgical Intensive Care* — Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel, and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not approved in a distinct cardiac care unit. This category is called "intensive care unit" in OSCAR.

*Organ/Tissue Transplant* — The hospital has the necessary staff and equipment to perform the surgical removal of a viable human organ or tissue from a donor, either living or deceased, and the surgical grafting of the organ/tissue to a suitably evaluated and prepared patient.

*Other Intensive Care* — Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

*Trauma Center* — Provides emergency and specialized intensive care to critically injured patients.



## Other Specialty/Hospital-Based Services

*Alcohol/Drug* — Hospital services for the medical care and/or rehabilitative treatment of outpatients whose primary diagnosis is alcoholism or other chemical dependency.

*Rehabilitation* — A unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

*Psychiatric* — Care provided to emotionally disturbed, chronically mentally ill, mentally disordered, or other mentally incompetent patients on the basis of physicians' orders and approved nursing care plans. Beds must be set up and staffed in units specifically designated for this service.

*Medicare Swing Beds* — The hospital is certified by Medicare to provide "swing bed" services; that is, some acute care beds can be used for skilled nursing facility type care in the hospital for Medicare purposes.

## *OSCAR Definitions (except for CMI)*

**Survey and Year** — HCFA, most recent year. Data were derived from the Online Survey, Certification and Reporting System (OSCAR).

## Profile

*Total beds (#)* — Total number of operational beds eligible for Medicare payment.

*Ownership/control* — Church; private, nonprofit; other nonprofit; proprietary; Federal Government; State government; local government; and hospital district or authority.

*Case mix index (CMI)* — See definition shown in AHA "Profile" section.

## Staffing

*Medical residents/interns* — Full-time equivalent (FTE) medical residents or interns.

*Registered nurses* — Full-time equivalent (FTE) registered nurses.

*Licensed practical nurses* — Full-time equivalent (FTE) licensed practical nurses.

## Specialty Services

**NOTE:** There are no specific definitions of specialty services in OSCAR. Characteristics are self-reported by each hospital at initial Medicare certification and recertification, and are generally understood to parallel the explicit AHA definitions (above). The AHA categories “comprehensive geriatric” and “other intensive care” are not available in OSCAR. However, they may be included in the OSCAR category of other specialty services (not shown in table).

**Coronary Care** — See definition shown in AHA “Specialty Services” section.

**Intensive Care Unit** — See definition shown in AHA “Specialty Services” section. These units may also include other intensive care units in OSCAR reporting.

**Organ Transplant** — See definition shown in AHA “Organ/Tissue Transplant” section. May include tissue transplants because there is not a separate field in OSCAR for these services.

# TECHNICAL INFORMATION

## DATA SOURCES

The data analyzed in this report are obtained from the Medicare Provider Analysis and Review (MEDPAR) file for the fiscal years 1987-1990, which contains information on the hospital stays of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex, and date of death, which are obtained from the Social Security Administration, the Railroad Retirement Board, or the Office of Personnel Management.

Hospital stays with discharges in fiscal years 1988, 1989, and 1990 were used in these analyses. Hospital stays in 1987 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute care hospital stays in short-term (general and specialty) hospitals were selected. These hospitals have a "0" in the third position of their Medicare provider number. Hospital stays in institutions (designated by a "9" in the fourth position of the provider number) and hospital stays in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units (with "special unit codes" of S, T, U and V, respectively, in the third position) were excluded.

## THE MORTALITY MODEL

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospital stays were analyzed separately by analytical category. The analytical categories were created by grouping ICD-9-CM diagnosis codes that had similar mortality patterns. The procedures for creating the analytical categories and the groups of ICD-9-CM diagnosis codes that defined them are detailed in the Technical Supplement.

The mortality experience of the patients was evaluated as a function of time within 365 days of the admission. The factors included in the mortality model used to evaluate each patient's probabilities of death are given in Table 3. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to



complicate management and increase the likelihood of an adverse outcome), prior admissions (grouped into five risk or severity levels) within the 6 months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure," Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557).

## ANALYTIC TECHNIQUES

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for "right censored" observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, "right censoring" occurs when a patient is withdrawn alive from the study April 1, 1991 or at the end of the followup period of 365 days.

The survival function,  $S(t)$ , is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function

$$F(t) = 1 - S(t).$$

Another useful formulation of these models is the hazard function,  $h(t)$ , also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is

$$h(t) = - \frac{1}{S(t)} \frac{dS(t)}{dt} = - \frac{d \ln(S(t))}{dt}.$$

The probability density function,  $f(t)$ , commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for  $t$ . In some cases, the area under the survival curve is restricted to an interval  $0-t_1$  where  $t_1$  might be one year, for example.

The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$

where

$$\alpha = \exp(\alpha_0 + \alpha_1 x_1 + \dots + \alpha_i x_i + \dots + \alpha_k x_k)$$

$$\gamma = \exp(\gamma_0 + \gamma_1 x_1 + \dots + \gamma_i x_i + \dots + \gamma_k x_k)$$

$$\delta = \exp(\delta_0 + \delta_1 x_1 + \dots + \delta_i x_i + \dots + \delta_k x_k)$$

are the expressions for each of the structural parameters  $\alpha$ ,  $\gamma$ , and  $\delta$  in terms of the  $k$  concomitant variables  $x_i$  and their associated component parameters  $\alpha_i$ ,  $\gamma_i$ , and  $\delta_i$  for  $i=1, 2, \dots, k$  and three intercepts or component parameters  $\alpha_0$ ,  $\gamma_0$ , and  $\delta_0$ . The structural parameter  $\delta$  is the long-term risk which is approached as  $t \rightarrow \infty$ . The structural parameter  $\alpha$  is the initial excess risk which decays with rate constant  $\gamma$ .

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk,  $\delta$ . The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta .$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant ( $p < 0.05$ ) influences of the probability of death were identified for inclusion in the model. As the model for each of the 23 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 900 cases (more than 300 for codes identified by year). Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.

Once the component parameters or regression coefficients  $\alpha_i$ ,  $\gamma_i$ , and  $\delta_i$  have been estimated, the predicted probability of patient death at any specified time after admission,  $1-S(t)$ , may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytical categories are useful for grouping the patients into relatively risk-homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables and defined in Table 1 were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

### ESTIMATION OF THE STANDARD DEVIATION FOR PREDICTED MORTALITY

The standard deviation of the predicted mortality rate is used to assess how statistically different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed,  $P$ , and predicted,  $\hat{\Theta}$ , mortality rates.

The residual has four components  $V_1, V_2, V_3$ , and  $V_4$  where  $V_1$  is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included in the present analysis.

$V_2$  is the binomial variance for  $n$  patients

$$V_2 = \frac{\hat{\Theta} (1 - \hat{\Theta})}{n}$$

$V_3$  is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\text{Var}}(\hat{\Theta}) = \left(1 - \frac{1}{n}\right) \widehat{M}_2(\hat{\Theta})$$



where

$$\widehat{M}_2(\Theta) = \left( \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{array} \right) - \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{array} \right) \right)^2 \left( \frac{1}{z_p^2} \right)$$

The quantity  $z_p$  corresponds to the statistical significance (p-value) of the hospital-specific effect.

$V_4$  is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left( \left( \text{Observed mortality} \right) - \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right) \right)^2$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

## STANDARDIZED MORTALITY RATIO (SMR)

Another method of evaluating a hospital's performance—the Standardized Mortality Ratio (SMR)—is obtained by dividing the observed mortality rate by the predicted mortality rate. An SMR of one means the observed and predicted mortality are equal. A ratio greater than one means the observed mortality exceeds the predicted. A ratio less than one means the observed mortality is less than expected. The more extreme the ratio (significantly greater than one indicating unusually high mortality and significantly less than one indicating unusually low mortality), the greater the attention which should be paid to the results of this mortality report.

For each of the conditions and procedures, selected percentiles for the observed distribution of the SMR are displayed in Table 4. The selected percentiles provide benchmarks for comparison. For example, for a hospital

with 300 cases in the "All Causes" category, with observed mortality of 12.2 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

$$\text{SMR} = 12.2/10.0 = 1.22.$$

Note that an SMR of one means the observed and predicted mortality are equal, while a ratio greater than one means the observed mortality exceeds the predicted, and a ratio less than one means the observed mortality is less than expected. There will be greater interest in the more extreme ratios, either greater than one — excessively high mortality — or less than one — extremely low mortality.

From Table 4 for FY 1990, we find that the ratio is just below the 75th percentile of 1.23. Hence, slightly under 75 percent of the hospitals have an SMR less than that found at this hospital.

However, for a hospital with 900 cases in the "All Causes" category, with observed mortality of 19.3 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

$$\text{SMR} = 19.3/10.0 = 1.93.$$

Since the SMR of 1.93 is greater than the 97.5 percentile of 1.35 (Table 4 for 750 or more cases), there is cause for concern. To further assess this, we examine the displayed data in terms of the measure of uncertainty, the standard deviation.

## MEASURES OF UNCERTAINTY

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table 5 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels of 75, 95 and 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table 5 exceeds the precision of the estimate of the standard deviation. Hence, the following rule-of-thumb represents an adequate approximation to the factors in Table 5 and an adequate guide to the **statistical meaningfulness** of the difference between the observed and the predicted mortality rates.

To illustrate the use of Table 5, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent if the actual is less than the predicted. That is because  $22.9 \text{ percent} = 13.0 \text{ percent} + 1.98 \times 5.0 \text{ percent}$ , the factor 1.98 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Upper Bound," the row "75" for the number of cases, and, by interpolation, between the "10 percent" and the "20 percent" predicted mortality rate columns. Similarly,  $3.3 \text{ percent} = 13.0 \text{ percent} - 1.94 \times 5.0 \text{ percent}$ , the factor -1.94 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. Likewise, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

For the graphs, the observed mortality and an approximate 95 percent prediction interval are displayed. The prediction interval has bounds at the predicted mortality plus 2 times the standard deviation and at the predicted minus 2 times the standard deviation.

In the mortality rate tables, the observed and predicted mortality rates and the standard deviation as a measure for statistical importance of the difference are displayed for the overall and each of the conditions and procedures.



## HOW TO OBTAIN MEDICARE HOSPITAL INFORMATION

The publication has been widely distributed to State health organizations and hospital and medical associations. The publication is available to the public for purchase in 55 volumes, with each volume being sold separately through the Government Printing Office (GPO). More detailed information about the purchase of this publication may be obtained by contacting:

Superintendent of Documents  
Government Printing Office  
Washington, D.C. 20402  
Telephone: (202) 783-3238

As in prior years, the information appearing in the Medicare Hospital Information report is available in machine-readable/electronic format (tape and diskette). The Medicare Hospital Information public use file provides the published information as contained in the 55-volume hardcopy publication, except that the AHA's hospital characteristics are not on this file. Hospital characteristics from HCFA files (OSCAR) are provided instead. The files contain additional information which is useful for supplemental analyses: averages by hospital, MSA, and State for each of the variables used in the model, mortality rates for 15, 30, 60, 90 and 180 days, and cross-reference files which relate State, MSA, and ICD-9-CM codes used to a name. These data should allow analysts to assess an individual hospital's performance in comparison to all hospitals in the State or applicable MSA.

Also available to hospitals in machine-readable format is their patient-specific data that were used in the report. These data include the patient variables used in the analysis (e.g., the number and severity level of prior hospitalizations considered by the methodology, admission source and type, etc.) and the predicted probability of death at each time interval for each individual included in the study. With these data it is possible for hospitals to better understand their statistics. Due to confidentiality considerations, requests for patient-specific data must be forwarded on hospital letterhead, must include the institution's Medicare provider number, and must be signed by the hospital administrator.

For information about obtaining Medicare Hospital Information electronic media data, please contact HCFA's Bureau of Data Management and Strategy at:

Health Care Financing Administration  
Bureau of Data Management and Strategy  
Office of Statistics and Data Management  
3-A-10 Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207  
Telephone: (410) 597-5151

## Table 1

### DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation

CONDITION/PROCEDURE	ICD-9-CM CODES (D)=Diagnosis code (P)=Procedure code
<b>Heart Disorders/Procedures</b>	
Acute Myocardial Infarction (AMI)	All of 410 (D) (on 10/1/89 exclude 410 with 5th digit of a 2)
<i>Note: For code 410 a 5th digit was added on October 1, 1989.</i>	
Congestive Heart Failure (CHF)	398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)
Angioplasty (ANGPLSTY)	All of 36.0 (P) excluding 36.00, 36.03, 36.04, 36.09 (all P)
<i>Note: Code 36.0 had a 4th digit added on October 1, 1986. Code 36.0 got digits of 0, 1, 2, 3, and 9, and code 36.04 got some previously coded cases of 39.97. On October 1, 1987, code 36.01 was divided into 36.01 and 36.05, and some cases from 36.02 were put into 36.05.</i>	
Coronary Artery Bypass Graft (CABG)	All of 36.1(P) and not Angioplasty (see above)
Pacemaker Insertion, Initial (PACE)	37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70 through 37.73) (all P)
<i>Note: Code 37.70 was restructured on October 1, 1987. Previously the code contained both leads and devices. On October 1 these were separated and devices were coded as 37.80 through 37.83, and codes for the leads were changed into various 37.70 codes.</i>	

**CONDITION/PROCEDURE****ICD-9-CM CODES***(D)=Diagnosis code**(P)=Procedure code***Pulmonary Disorders**

Pneumonia/Influenza  
(PNU) All of 480, all of 481, 482.2, 482.3,  
482.9, 483, 485, 486, 487.0 (all D)

Chronic Obstructive Pulmonary  
(COPD) All of 491, all of 492, all of 494, Disease  
all of 496; and 466.0, 518.82, 518.5,  
and 786.09 when there is a secondary  
diagnosis of any 496 (all D)

*Note: Code 518.8 got a 5th digit on October 1, 1987. Some  
cases from 799.1 were put into codes 518.81 and  
518.82.*

**Cerebrovascular Disorders/Procedures**

Transient Cerebral Ischemia  
(TCI) 433.1, 433.3, 435 (D) and exclude those  
patients with an endarterectomy at the  
time of admission—38.12(P)

Stroke  
(STK) 431, 434 through 434.9, 436 (all D)

Carotid Endarterectomy  
(ENDART) 38.12 (P) with 433.1 (D); 433.3 (D) or  
435(D) as a principal diagnosis

**Musculoskeletal Disorders/Procedures**

Fracture of Neck of Femur  
(FXHIP) All of 820 (D)

Hip Replacement/Revision  
(HIPREP) 81.5, 81.6 (exclude 81.69) (all P). On  
10/1/89 code 81.51 (P) through 81.53  
(P) with same diagnoses.

Open Reduction of Fractured Femur  
(OPRDUX) 79.35(P) on condition of 820 (D) as  
principal diagnosis



**CONDITION/PROCEDURE****ICD-9-CM CODES***(D)=Diagnosis code**(P)=Procedure code***Genitourinary Disorders/Procedures**

Prostatectomy  
(PROS) 60.2, 60.3 through 60.69 (all P)

Hysterectomy  
(HYS) 68.3 through 68.7 (P)

**Gastrointestinal Disorders/Procedures**

Cholecystectomy  
(CHOLOTMY) 51.22 (P)

**Sepsis**

Sepsis 003.1, 020.2, 022.3, 036.2, 036.3,  
036.89, 036.9, 038.0, 038.1, 038.2,  
038.3, 038.40, 038.41, 038.42, 038.43,  
038.44, 038.49, 038.8, 038.9, 054.5

## Table 2

### COMORBIDITY CONDITIONS

(all are D codes)

COMORBIDITY	ICD-9-CM CODES
Cancer	141-160.9, 162-172.9, 174-208.91
Chronic cardiovascular disease	412-414.9, 426-429.1
Chronic liver disease	571-572.8
Chronic renal disease	582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93
Chronic diabetes	250.01, 250.1-250.91
Chronic pulmonary disease	491-493.91, 496
Cerebrovascular degeneration	290-290.9, 294-299.9

## Table 3

### EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

#### Demographics

**SXFM**                      An indicator variable: = 1 if Female, 0 otherwise

**AGEFM** = AGESP if SXFM = 1, 0 otherwise

**AGEML** = AGESP if SXFM = 0, 0 otherwise

where

$$\text{AGESP} = \text{sign}(W-65) \left( \left| \frac{W-65}{65} \right| \right)^{1.44}$$

and

$$W = \begin{cases} 23 & \text{if AGE} \leq 23 \\ \text{AGE} & \text{if } 23 < \text{AGE} < 100 \\ 100 & \text{if } 100 \leq \text{AGE} \end{cases}$$

#### Comorbidities

#### ICD-9-CM Codes

(Indicator variables = 1 if comorbidity present on current or prior admission with discharge within 6 months prior to current admission, 0 otherwise)

<b>CCA</b>	Cancer	141-160.9, 162-172.9, 174-208.91
<b>CCV</b>	Chronic cardiovascular disease	412-414.9, 426-429.1
<b>CLV</b>	Chronic liver disease	571-572.8
<b>CRN</b>	Chronic renal disease	582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93
<b>CDI</b>	Chronic diabetes	250.01, 250.1-250.91
<b>COP</b>	Chronic pulmonary disease	491-493.91, 496
<b>CCE</b>	Cerebrovascular degeneration	290-290.9, 294-299.9



## Co Occurrence of Comorbidities

COP_CCV	1 if COP = 1 and CCV = 1, 0 otherwise
CCA_CCV	1 if CCA = 1 and CCV = 1, 0 otherwise
COP_CCA	1 if COP = 1 and CCA = 1, 0 otherwise
CCE_CCV	1 if CCE = 1 and CCV = 1, 0 otherwise
CRN_CCV	1 if CRN = 1 and CCV = 1, 0 otherwise

## Admission Sources and Types

(Indicator variables = 1 if source or type present, 0 otherwise)

PREF	Patient referred by personal or HMO physician
TRSNF	Patient transferred from skilled nursing facility
ELCT	Patient admitted for elective procedure
EMRG	Patient admitted for emergency

## Co-Occurrence of Admission Source and Type

PREF\_ELEC = 1 if PREF = 1 and ELCT = 1, 0 otherwise

## Previous Hospitalizations

P_RISK1	Number at 1st risk level with 3 or more set to 3
P_RISK2	Number at 2nd risk level with 3 or more set to 3
P_RISK3	Number at 3rd risk level with 3 or more set to 3
P_RISK4	Number at 4th risk level with 4 or more set to 4
P_RISK5	Number at 5th risk level with 3 or more set to 3
F(T)	Probability of death from previous admission if discharge within 182 days of current admission, 0 otherwise

## Time Trend

FLAG89	1 if discharge in FY1989, 0 otherwise
FLAG90	1 if discharge in FY1990, 0 otherwise
INYEAR	Difference between current admission date and April 1 of fiscal year of discharge

TABLE 4  
 SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
 1990 STUDY, FY1990

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
		-----														
OVERALL( < 750 CASES )	2645	0.45	0.88	1.04	1.23	1.72	0.56	0.90	1.03	1.17	1.54	0.61	0.90	1.02	1.15	1.46
OVERALL( >= 750 CASES)	2684	0.73	0.91	0.99	1.09	1.35	0.79	0.94	1.01	1.09	1.28	0.82	0.94	1.01	1.08	1.24
CONDITIONS																
AMI	1405	0.54	0.80	0.95	1.11	1.42	0.62	0.86	0.99	1.14	1.44	0.63	0.86	0.99	1.13	1.39
CHF	2335	0.43	0.79	0.98	1.17	1.64	0.60	0.85	0.99	1.13	1.49	0.66	0.89	1.00	1.13	1.41
PNEUMONIA/INFLUENZA	2428	0.41	0.78	0.97	1.18	1.68	0.53	0.84	1.00	1.17	1.55	0.57	0.86	1.01	1.16	1.50
COPD	435	0.00	0.63	0.97	1.34	2.06	0.30	0.78	1.02	1.26	1.74	0.40	0.82	1.01	1.24	1.69
TRANS. CEREBRAL ISCHEMIA	404	0.00	0.00	0.83	1.34	3.20	0.00	0.48	0.85	1.31	2.27	0.21	0.60	0.90	1.21	2.05
STROKE	1789	0.53	0.79	0.95	1.13	1.56	0.61	0.84	0.98	1.13	1.47	0.65	0.87	0.99	1.12	1.42
HIP FRACTURE	1199	0.21	0.67	0.93	1.27	2.10	0.40	0.76	0.94	1.19	1.80	0.47	0.78	0.97	1.16	1.64
SEPSIS	254	0.51	0.79	0.96	1.12	1.50	0.65	0.86	0.99	1.13	1.47	0.69	0.89	1.01	1.15	1.44
PROCEDURES																
ANGIOPLASTY	425	0.00	0.49	0.89	1.33	2.66	0.00	0.60	0.93	1.36	2.34	0.00	0.63	0.97	1.34	2.14
CABG	556	0.20	0.68	1.03	1.39	2.45	0.28	0.73	1.00	1.32	2.09	0.28	0.73	1.01	1.30	2.10
PACEMAKER	112	0.00	0.41	0.72	1.37	3.25	0.20	0.61	0.90	1.21	2.17	0.21	0.65	0.84	1.16	1.87
CAROTID ENDARTERECTOMY	73	0.00	0.00	0.85	1.33	2.90	0.00	0.14	0.74	1.28	2.43	0.00	0.42	0.86	1.38	2.86
HIP REPLACEMENT	763	0.00	0.53	0.94	1.44	2.77	0.19	0.67	0.96	1.31	2.12	0.26	0.71	0.94	1.26	1.91
REDUCT. OF HIP FRACTURE	276	0.00	0.56	0.86	1.22	2.05	0.31	0.68	0.92	1.19	1.76	0.38	0.77	0.96	1.12	1.58
PROSTATECTOMY	1576	0.00	0.00	0.73	1.57	3.56	0.00	0.49	0.91	1.40	2.63	0.00	0.57	0.92	1.29	2.21
CHOLECYSTECTOMY	714	0.00	0.49	0.95	1.54	2.68	0.00	0.62	0.93	1.37	2.22	0.22	0.67	0.98	1.27	1.93
HYSTERECTOMY	113	0.00	0.00	0.00	2.00	6.69	0.00	0.00	0.76	1.70	3.59	0.00	0.24	0.75	1.27	2.91

TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1989

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS			90 DAYS			180 DAYS								
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%					
		-----														
OVERALL( < 750 CASES )	2746	0.50	0.87	1.04	1.23	1.73	0.58	0.89	1.03	1.17	1.54	0.61	0.89	1.01	1.14	1.44
OVERALL( >= 750 CASES)	2669	0.71	0.90	1.00	1.09	1.35	0.79	0.94	1.01	1.08	1.28	0.82	0.95	1.01	1.07	1.24
CONDITIONS																
AMI	1412	0.53	0.81	0.96	1.12	1.47	0.59	0.86	1.01	1.15	1.47	0.63	0.87	1.00	1.14	1.43
CHF	2293	0.47	0.80	0.97	1.18	1.69	0.58	0.86	1.00	1.14	1.48	0.66	0.89	1.02	1.14	1.40
PNEUMONIA/INFLUENZA	2179	0.45	0.77	0.97	1.19	1.67	0.54	0.85	1.01	1.18	1.55	0.60	0.86	1.02	1.18	1.51
COPD	324	0.21	0.68	0.99	1.32	2.13	0.44	0.78	1.04	1.27	1.91	0.49	0.84	1.04	1.24	1.66
TRANS. CEREBRAL ISCHEMIA	420	0.00	0.00	0.79	1.41	3.26	0.00	0.46	0.88	1.33	2.36	0.18	0.60	0.92	1.25	1.97
STROKE	1728	0.53	0.80	0.95	1.12	1.56	0.62	0.85	0.97	1.11	1.46	0.67	0.88	0.99	1.13	1.40
HIP FRACTURE	1126	0.24	0.67	0.95	1.30	2.04	0.39	0.75	0.98	1.21	1.71	0.46	0.78	0.97	1.18	1.59
SEPSIS	174	0.52	0.79	0.94	1.10	1.52	0.63	0.88	1.02	1.15	1.46	0.68	0.93	1.05	1.16	1.43
PROCEDURES																
ANGIOPLASTY	370	0.00	0.46	0.84	1.35	2.55	0.00	0.55	0.88	1.33	2.52	0.00	0.61	0.94	1.32	2.44
CABG	501	0.21	0.65	1.00	1.47	2.57	0.23	0.69	1.00	1.33	2.29	0.32	0.74	1.01	1.33	2.21
PACEMAKER	91	0.00	0.52	0.74	1.12	2.31	0.00	0.56	0.83	1.15	2.14	0.20	0.68	0.81	1.16	1.87
CAROTID ENDARTERECTOMY	55	0.00	0.00	0.82	1.51	5.01	0.00	0.47	0.86	1.31	4.00	0.00	0.43	0.85	1.28	3.12
HIP REPLACEMENT	686	0.00	0.52	0.92	1.44	2.46	0.00	0.65	0.94	1.27	1.95	0.21	0.67	0.94	1.19	1.75
REDUCT. OF HIP FRACTURE	246	0.19	0.57	0.91	1.23	1.96	0.31	0.71	0.96	1.19	1.74	0.41	0.78	0.96	1.13	1.53
PROSTATECTOMY	1570	0.00	0.00	0.67	1.50	3.46	0.00	0.47	0.86	1.36	2.67	0.00	0.58	0.93	1.28	2.15
CHOLECYSTECTOMY	680	0.00	0.53	0.94	1.53	2.90	0.00	0.62	0.97	1.36	2.15	0.22	0.66	0.95	1.26	1.98
HYSTERECTOMY	101	0.00	0.00	0.00	1.80	5.44	0.00	0.00	0.78	1.60	4.21	0.00	0.00	0.91	1.38	2.99



TABLE 4  
 SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
 1990 STUDY, FY1988

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS			90 DAYS			180 DAYS								
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%					
OVERALL ( < 750 CASES )	2838	0.46	0.89	1.05	1.23	1.75	0.54	0.90	1.03	1.16	1.57	0.59	0.90	1.02	1.14	1.45
OVERALL ( >= 750 CASES)	2693	0.73	0.90	1.00	1.10	1.35	0.79	0.94	1.01	1.09	1.27	0.82	0.95	1.01	1.08	1.24
CONDITIONS																
AMI	1414	0.56	0.82	0.96	1.12	1.41	0.63	0.87	1.01	1.14	1.42	0.65	0.89	1.00	1.13	1.39
CHF	2246	0.45	0.79	0.97	1.18	1.61	0.60	0.86	1.00	1.14	1.43	0.68	0.90	1.02	1.13	1.37
PNEUMONIA/INFLUENZA	2069	0.44	0.79	0.97	1.17	1.68	0.57	0.85	1.01	1.17	1.59	0.61	0.87	1.01	1.16	1.53
COPD	310	0.21	0.67	0.92	1.30	2.17	0.39	0.79	0.98	1.20	1.81	0.51	0.82	0.99	1.19	1.59
TRANS. CEREBRAL ISCHEMIA	495	0.00	0.00	0.84	1.48	2.94	0.00	0.48	0.92	1.39	2.28	0.21	0.60	0.92	1.27	1.92
STROKE	1726	0.51	0.79	0.95	1.12	1.56	0.60	0.84	0.98	1.13	1.44	0.64	0.88	1.00	1.13	1.42
HIP FRACTURE	1119	0.24	0.65	0.96	1.27	2.07	0.40	0.78	0.98	1.21	1.77	0.47	0.80	0.98	1.17	1.64
SEPSIS	133	0.58	0.77	0.92	1.08	1.64	0.56	0.86	1.00	1.13	1.54	0.67	0.88	1.02	1.14	1.53
PROCEDURES																
ANGIOPLASTY	297	0.00	0.50	0.87	1.35	2.60	0.00	0.59	0.91	1.34	2.50	0.00	0.65	0.95	1.31	2.25
CABG	478	0.21	0.68	0.98	1.39	2.40	0.32	0.73	1.00	1.36	2.12	0.38	0.75	1.01	1.31	2.04
PACEMAKER	83	0.00	0.34	0.65	1.04	1.75	0.01	0.54	0.85	1.03	1.70	0.23	0.69	0.87	1.10	1.57
CAROTID ENDARTERECTOMY	69	0.00	0.00	0.60	1.23	3.30	0.00	0.33	0.62	1.09	2.50	0.00	0.44	0.68	1.16	1.87
HIP REPLACEMENT	670	0.00	0.49	0.95	1.40	2.65	0.00	0.66	1.01	1.31	2.15	0.24	0.70	0.96	1.24	1.87
REDUCT. OF HIP FRACTURE	259	0.00	0.61	0.91	1.26	2.16	0.38	0.74	0.96	1.21	1.94	0.44	0.77	0.96	1.16	1.79
PROSTATECTOMY	1619	0.00	0.00	0.78	1.53	3.69	0.00	0.54	0.92	1.39	2.57	0.00	0.61	0.93	1.30	2.21
CHOLECYSTECTOMY	642	0.00	0.50	0.96	1.44	3.04	0.00	0.61	0.96	1.36	2.26	0.25	0.66	0.96	1.27	2.01
HYSTERECTOMY	90	0.00	0.00	0.00	1.57	5.00	0.00	0.00	0.68	1.43	2.83	0.00	0.28	0.67	1.15	2.88

**TABLE 5: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS**

(n is the number of cases at your hospital and p is the predicted mortality rate)

p	n	99% Prediction Interval					95% Prediction Interval					75% Prediction Interval				
		Factor for Upper Bound					Factor for Upper Bound					Factor for Upper Bound				
		1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
	25	2.95	2.73	2.68	2.63	2.59	2.15	2.04	2.01	1.99	1.97	1.17	1.16	1.16	1.15	1.15
	50	2.76	2.65	2.63	2.60	2.58	2.05	2.00	1.99	1.97	1.96	1.16	1.15	1.15	1.15	1.15
	75	2.70	2.63	2.61	2.59	2.58	2.02	1.99	1.98	1.97	1.96	1.16	1.15	1.15	1.15	1.15
	100	2.67	2.61	2.60	2.59	2.58	2.01	1.98	1.97	1.97	1.96	1.16	1.15	1.15	1.15	1.15
	150	2.64	2.60	2.59	2.59	2.58	1.99	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	200	2.62	2.60	2.59	2.58	2.58	1.98	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	300	2.61	2.59	2.58	2.58	2.58	1.98	1.97	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	400	2.60	2.59	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	500	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	750	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	1000	2.59	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	2000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	5000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15

p	n	Factor for Lower Bound					Factor for Lower Bound					Factor for Lower Bound				
		Factor for Lower Bound					Factor for Lower Bound					Factor for Lower Bound				
		1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
	25	-2.21	-2.42	-2.48	-2.52	-2.56	-1.77	-1.88	-1.91	-1.93	-1.95	-1.13	-1.14	-1.14	-1.15	-1.15
	50	-2.39	-2.50	-2.53	-2.55	-2.57	-1.87	-1.92	-1.93	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
	75	-2.45	-2.52	-2.54	-2.56	-2.57	-1.90	-1.93	-1.94	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
	100	-2.48	-2.54	-2.55	-2.56	-2.57	-1.91	-1.94	-1.95	-1.95	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	150	-2.51	-2.55	-2.56	-2.57	-2.57	-1.93	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	200	-2.53	-2.56	-2.56	-2.57	-2.57	-1.94	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	300	-2.54	-2.56	-2.57	-2.57	-2.57	-1.94	-1.95	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	400	-2.55	-2.57	-2.57	-2.57	-2.57	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	500	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	750	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	1000	-2.57	-2.57	-2.57	-2.57	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	2000	-2.57	-2.57	-2.57	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	5000	-2.57	-2.58	-2.58	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15

**Medicare  
Hospital  
Information**



# ATHENS COMMUNITY HOSPITAL

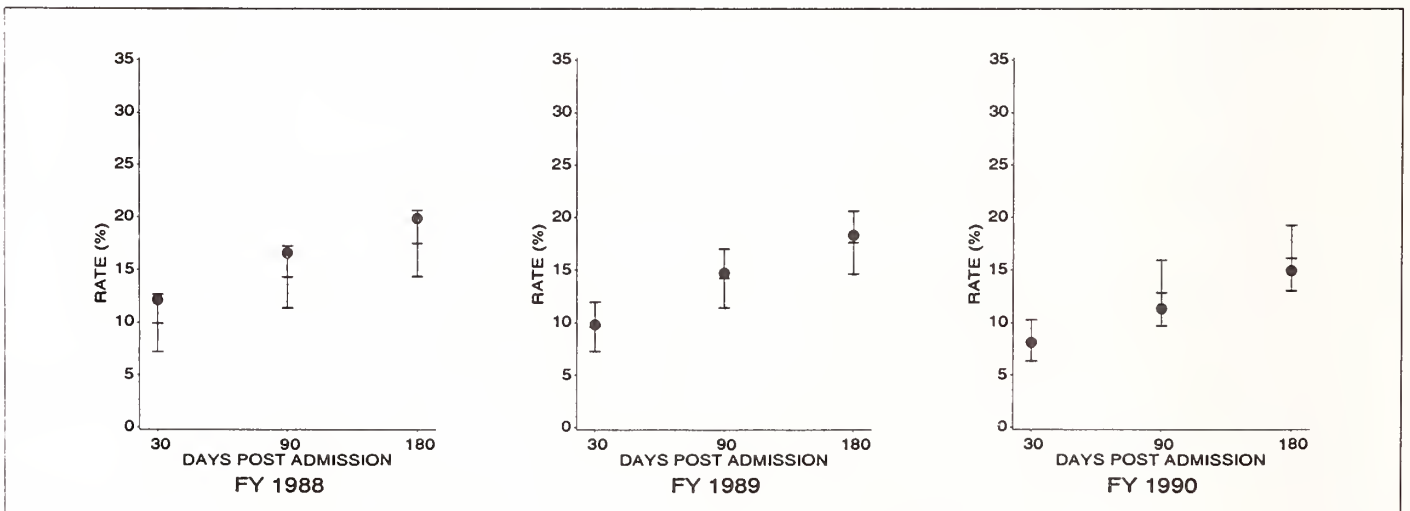
1114 W MADISON AV  
ATHENS, TN 37303  
Medicare Provider Number: 440068

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	798	8.1	8.3	1.0	11.3	12.8	1.6	14.9	16.1	1.6
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	14	50.0	26.7	-----	50.0	29.6	-----	50.0	32.5	-----
Congestive Heart Failure.....	41	22.0	16.0	-----	24.4	25.8	-----	36.6	32.5	-----
Pneumonia/Influenza.....	51	13.7	16.3	5.4	15.7	22.2	6.8	17.6	25.9	7.9
Chronic Obstructive Pulmonary Disease.....	19	0.0	8.2	-----	0.0	14.1	-----	10.5	18.6	-----
Transient Cerebral Ischemia.....	26	0.0	1.7	-----	0.0	3.7	-----	7.7	5.9	-----
Stroke.....	10	30.0	28.4	-----	40.0	33.3	-----	40.0	36.3	-----
Hip Fracture.....	36	2.8	7.1	-----	8.3	12.1	-----	8.3	15.5	-----
Sepsis.....	3	66.7	36.6	-----	66.7	41.0	-----	100.0	44.5	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	0.0	2.2	-----	0.0	5.6	-----	0.0	9.4	-----
Carotid Endarterectomy.....	8	0.0	2.4	-----	0.0	4.6	-----	0.0	7.0	-----
Hip Replacement/Reconstruction.....	19	5.3	4.8	-----	10.5	8.7	-----	10.5	11.5	-----
Open Reduction of Hip Fracture.....	17	0.0	7.7	-----	5.9	13.3	-----	5.9	17.2	-----
Prostatectomy.....	32	0.0	1.1	-----	3.1	2.5	-----	3.1	4.2	-----
Cholecystectomy.....	23	0.0	1.2	-----	4.3	2.2	-----	8.7	3.0	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ATHENS COMMUNITY HOSPITAL

Medicare Provider Number: 440068

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

<p><b>DEMOGRAPHICS:</b></p> <p>Average age at admission..... 74.6 years</p> <p>Proportion female..... 53.9 %</p> <p><b>ADMISSION SOURCES/TYPES:</b></p> <p>Referred by personal or HMO physician..... 44.3 %</p> <p>Transferred from skilled nursing facility..... 0.0 %</p> <p>Admitted for elective procedure..... 16.4 %</p> <p>Admitted for emergency..... 55.1 %</p>	<p><b>COMORBIDITIES:</b></p> <p>Cancer..... 5.6 %</p> <p>Chronic cardiovascular disease..... 44.4 %</p> <p>Chronic liver disease..... 0.5 %</p> <p>Chronic renal disease..... 1.4 %</p> <p>Chronic pulmonary disease..... 21.9 %</p> <p>Cerebrovascular degeneration..... 4.3 %</p> <p>Diabetes mellitus..... 14.0 %</p>
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## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

<p><b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b></p> <p>County/City ..... 74.7%</p> <p>State ..... 24.0%</p> <p>Outside State ..... 1.3%</p> <p>Total ..... 100.0%</p>	<p><b>MEDICARE AVERAGE LENGTH OF STAY:</b></p> <p>Hospital ..... 5.5 Days</p> <p>State ..... 8.1 Days</p> <p>National ..... 8.6 Days</p>
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## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<p><b>PROFILE:</b></p> <p>Total Beds ..... 97</p> <p>Occupancy Rate ..... 38.0 %</p> <p>Ownership/Control..... Private, For Profit</p> <p>Medicare Discharges ..... 41.9 %</p> <p>Case Mix Index (CMI) ..... 1.1566</p> <p><b>STAFFING:</b></p> <p>Total Number of Physicians..... 34</p> <p>Percent of Physicians Board Certified Specialists..... 79.4 %</p> <p>Medical Residents/Interns ..... 0</p> <p>Registered Nurses..... 41</p> <p>Licensed Practical Nurses..... 34</p>	<p><b>SPECIALTY SERVICES:</b></p> <p>Burn Unit ..... No</p> <p>Cardiac Intensive Care ..... No</p> <p>Comprehensive Geriatric ..... Yes</p> <p>Hospice Care ..... No</p> <p>Medical/Surgical Intensive Care ..... Yes</p> <p>Organ/Tissue Transplant ..... No</p> <p>Other Intensive Care ..... No</p> <p>Trauma Center ..... No</p> <p><b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b></p> <p>Alcohol/Drug ..... No</p> <p>Rehabilitation..... No</p> <p>Psychiatric ..... No</p> <p>Medicare Swing Beds ..... Yes</p>
** Except for CMI	

\* Not used in calculating mortality rates

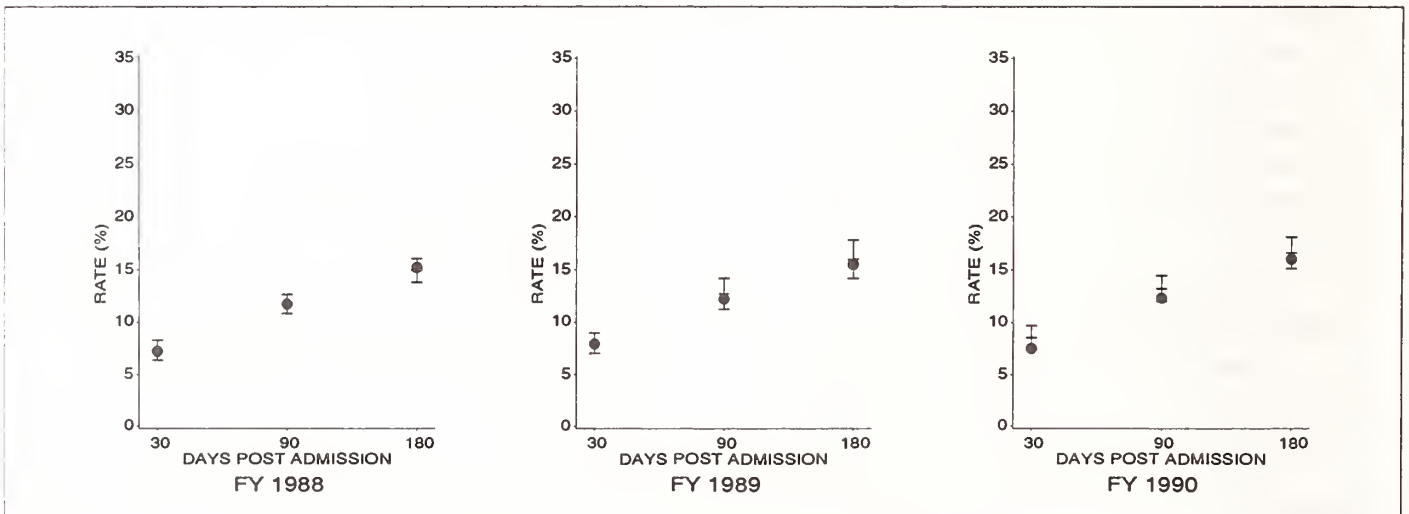
**BAPTIST HOSPITAL**  
 2000 CHURCH ST  
 NASHVILLE, TN 37203  
 Medicare Provider Number: 440133

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	4905	7.5	8.5	0.6	12.3	13.2	0.6	16.0	16.6	0.7
CONDITIONS:										
Acute Myocardial Infarction.....	136	23.5	24.7	4.3	27.2	27.6	5.1	29.4	30.1	5.2
Congestive Heart Failure.....	215	11.2	14.1	3.9	20.9	22.6	4.0	28.4	28.9	4.8
Pneumonia/Influenza.....	148	12.8	14.9	3.6	20.9	20.6	3.7	25.0	24.4	4.8
Chronic Obstructive Pulmonary Disease.....	54	14.8	8.7	7.7	18.5	15.2	7.5	24.1	20.0	6.7
Transient Cerebral Ischemia.....	52	1.9	1.3	2.7	1.9	3.0	4.4	5.8	5.1	4.2
Stroke.....	174	13.8	17.0	5.4	19.5	23.1	5.4	23.0	26.5	5.2
Hip Fracture.....	118	2.5	5.8	3.0	5.1	10.6	4.4	8.5	14.1	4.9
Sepsis.....	97	24.7	27.9	8.2	33.0	37.8	7.6	42.3	42.9	7.4
PROCEDURES:										
Angioplasty.....	19	0.0	3.0	-----	0.0	3.6	-----	0.0	4.4	-----
Coronary Artery Bypass Graft.....	103	5.8	5.5	2.6	8.7	7.8	2.8	8.7	8.7	2.8
Initial Pacemaker Insertion.....	22	4.5	3.1	-----	9.1	6.0	-----	18.2	8.8	-----
Carotid Endarterectomy.....	20	0.0	1.0	-----	0.0	1.9	-----	0.0	2.8	-----
Hip Replacement/Reconstruction.....	163	1.2	2.4	1.8	3.1	4.5	2.5	4.9	6.1	2.6
Open Reduction of Hip Fracture.....	53	1.9	4.9	3.7	1.9	8.9	5.7	3.8	12.0	6.8
Prostatectomy.....	305	1.3	0.8	0.8	1.6	2.0	1.0	2.0	3.4	1.7
Cholecystectomy.....	68	2.9	2.8	2.5	5.9	5.4	3.0	7.4	7.4	3.2
Hysterectomy.....	66	0.0	0.8	1.3	0.0	1.8	2.2	1.5	2.9	2.3

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**BAPTIST HOSPITAL**  
 Medicare Provider Number: 440133

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	73.1 years	Cancer.....	7.5 %
Proportion female.....	56.5 %	Chronic cardiovascular disease.....	26.0 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.6 %
Referred by personal or HMO physician.....	53.5 %	Chronic renal disease.....	4.6 %
Transferred from skilled nursing facility.....	0.5 %	Chronic pulmonary disease.....	11.8 %
Admitted for elective procedure.....	27.6 %	Cerebrovascular degeneration.....	4.2 %
Admitted for emergency.....	42.2 %	Diabetes mellitus.....	10.1 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	62.5%	Hospital .....	8.4 Days
State .....	32.9%	State .....	8.1 Days
Outside State .....	4.6%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE:	
Total Beds .....	641
Occupancy Rate .....	68.0 %
Ownership Control.....	Private, Non-Profit
Medicare Discharges .....	23.7 %
Case Mix Index (CMI) .....	1.4879
STAFFING:	
Total Number of Physicians.....	473
Percent of Physicians Board Certified Specialists .....	79.9 %
Medical Residents/Interns .....	0
Registered Nurses.....	628
Licensed Practical Nurses.....	192
SPECIALTY SERVICES:	
Burn Unit .....	No
Cardiac Intensive Care .....	Yes
Comprehensive Geriatric .....	No
Hospice Care .....	No
Medical/Surgical Intensive Care.....	Yes
Organ/Tissue Transplant .....	Yes
Other Intensive Care .....	Yes
Trauma Center .....	No
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Alcohol/Drug.....	Yes
Rehabilitation.....	Yes
Psychiatric.....	Yes
Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BAPTIST HOSPITAL OF ROANE COUNTY

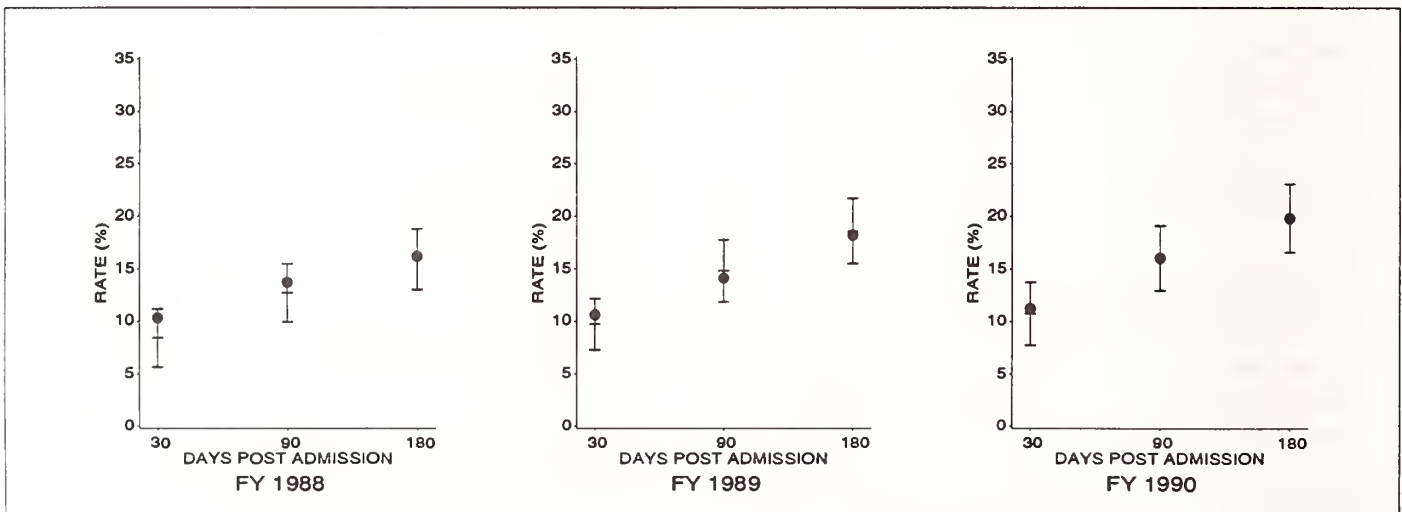
241 S CHAMBERLAIN AVE  
ROCKWOOD, TN 37854  
Medicare Provider Number: 440022

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	625	11.2	10.7	1.5	16.0	16.0	1.6	19.8	19.8	1.6
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	21	33.3	34.7	-----	38.1	37.3	-----	38.1	40.2	-----
Congestive Heart Failure.....	32	21.9	12.4	-----	25.0	19.7	-----	31.3	25.3	-----
Pneumonia/Influenza.....	61	13.1	16.4	7.6	21.3	23.0	6.2	27.9	27.2	5.8
Chronic Obstructive Pulmonary Disease.....	21	0.0	5.1	-----	4.8	9.4	-----	9.5	13.5	-----
Transient Cerebral Ischemia.....	19	0.0	1.8	-----	5.3	4.1	-----	5.3	6.7	-----
Stroke.....	20	25.0	21.3	-----	40.0	29.3	-----	40.0	33.7	-----
Hip Fracture.....	1	0.0	12.0	-----	0.0	19.8	-----	0.0	23.0	-----
Sepsis.....	9	11.1	27.5	-----	22.2	35.8	-----	33.3	40.4	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	15	0.0	2.1	-----	6.7	5.1	-----	6.7	8.1	-----
Cholecystectomy.....	10	20.0	6.5	-----	20.0	11.0	-----	20.0	13.7	-----
Hysterectomy.....	4	0.0	0.7	-----	0.0	1.5	-----	0.0	2.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BAPTIST HOSPITAL OF ROANE COUNTY

Medicare Provider Number: 440022

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	73.8 years	Cancer.....	4.5 %
Proportion female.....	59.8 %	Chronic cardiovascular disease.....	38.6 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	1.1 %
Referred by personal or HMO physician.....	33.0 %	Chronic renal disease.....	1.1 %
Transferred from skilled nursing facility.....	4.3 %	Chronic pulmonary disease.....	26.1 %
Admitted for elective procedure.....	0.2 %	Cerebrovascular degeneration.....	6.7 %
Admitted for emergency.....	20.8 %	Diabetes mellitus.....	12.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	70.2%	Hospital .....	6.4 Days
State .....	27.9%	State .....	8.1 Days
Outside State .....	1.9%	National .....	8.6 Days
Total .....	100.0%		

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds .....	66	Burn Unit .....	No
Occupancy Rate .....	53.0 %	Cardiac Intensive Care .....	No
Ownership Control.....	Private, Non-Profit	Comprehensive Geriatric .....	No
Medicare Discharges .....	46.0 %	Hospice Care .....	No
Case Mix Index (CMI) .....	1.0855	Medical/Surgical Intensive Care .....	Yes
STAFFING:		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	65	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists .....	(Not Available)	Trauma Center .....	No
Medical Residents/Interns .....	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses.....	34	Alcohol/Drug .....	No
Licensed Practical Nurses .....	37	Rehabilitation.....	No
		Psychiatric .....	No
		Medicare Swing Beds .....	Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# BAPTIST MEMORIAL HOSPITAL

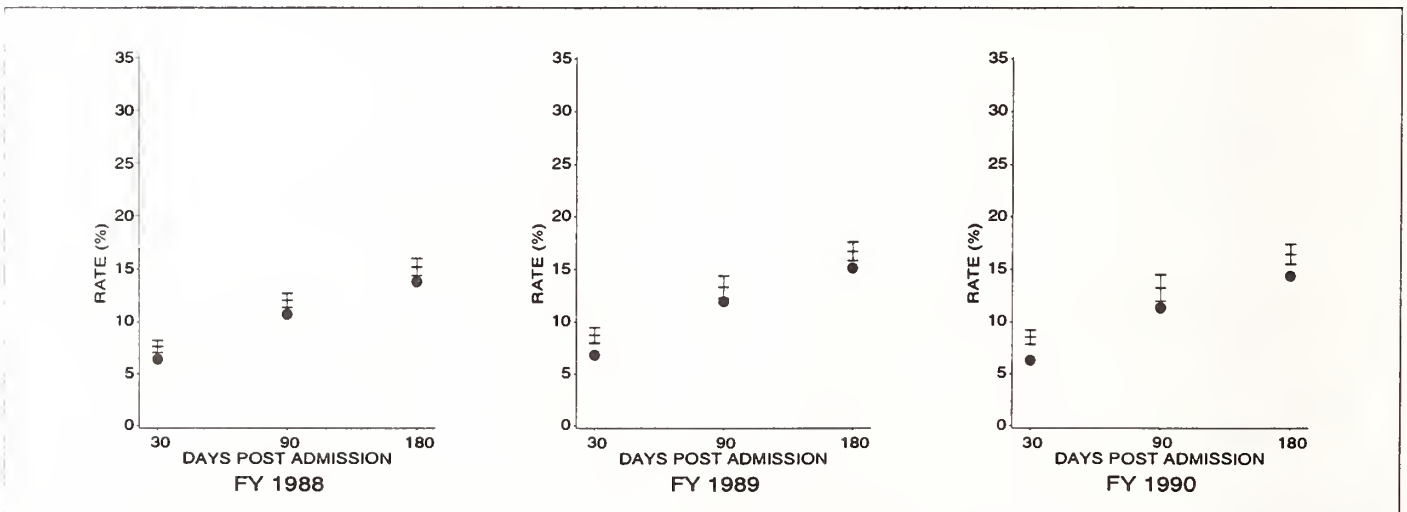
899 MADISON AV  
MEMPHIS, TN 38146  
Medicare Provider Number: 440048

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	9399	6.3	8.5	0.3	11.3	13.2	0.6	14.3	16.4	0.5
CONDITIONS:										
Acute Myocardial Infarction.....	223	22.4	25.5	3.6	26.9	28.4	3.5	30.9	30.9	4.2
Congestive Heart Failure.....	340	10.6	13.9	3.5	20.0	22.4	3.5	27.1	28.5	3.9
Pneumonia/Influenza.....	166	15.1	15.6	2.9	21.1	21.3	3.3	22.3	24.9	3.6
Chronic Obstructive Pulmonary Disease.....	132	4.5	8.1	3.8	12.9	14.6	4.3	16.7	19.1	3.8
Transient Cerebral Ischemia.....	145	0.7	1.4	1.3	0.7	3.1	2.5	2.1	5.0	3.5
Stroke.....	339	14.2	19.5	2.7	18.3	25.9	3.4	22.1	29.4	3.8
Hip Fracture.....	195	4.6	6.6	3.2	9.7	11.6	4.8	13.8	15.0	5.5
Sepsis.....	147	24.5	32.0	4.6	35.4	40.6	4.4	40.1	45.2	4.5
PROCEDURES:										
Angioplasty.....	100	1.0	3.4	2.2	4.0	4.3	2.0	6.0	5.1	2.2
Coronary Artery Bypass Graft.....	310	5.8	5.7	1.4	9.4	8.1	1.8	11.0	9.1	1.8
Initial Pacemaker Insertion.....	107	2.8	4.1	2.9	5.6	7.8	3.9	8.4	10.8	4.0
Carotid Endarterectomy.....	76	2.6	1.4	2.2	2.6	2.5	3.5	5.3	3.7	3.5
Hip Replacement/Reconstruction.....	148	1.4	2.6	1.7	4.7	5.0	3.0	6.1	6.8	2.8
Open Reduction of Hip Fracture.....	81	4.9	5.9	2.8	8.6	10.9	4.6	13.6	14.4	6.1
Prostatectomy.....	284	1.1	1.2	0.7	3.9	2.7	1.3	4.9	4.6	1.6
Cholecystectomy.....	188	1.1	3.0	1.5	2.1	5.2	2.0	3.2	6.8	2.4
Hysterectomy.....	88	0.0	0.6	1.0	1.1	1.5	1.4	2.3	2.4	2.0

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BAPTIST MEMORIAL HOSPITAL

Medicare Provider Number: 440048

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 71.7 years	Cancer..... 9.5 %
Proportion female..... 55.1 %	Chronic cardiovascular disease..... 32.7 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.9 %
Referred by personal or HMO physician..... 51.3 %	Chronic renal disease..... 2.9 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 10.2 %
Admitted for elective procedure..... 30.3 %	Cerebrovascular degeneration..... 2.2 %
Admitted for emergency..... 60.1 %	Diabetes mellitus..... 6.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 48.6%	Hospital ..... 11.3 Days
State ..... 15.0%	State ..... 8.1 Days
Outside State ..... 36.4%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>
Total Beds ..... 1496	Burn Unit ..... No
Occupancy Rate ..... 73.0 %	Cardiac Intensive Care ..... Yes
Ownership/Control..... Church	Comprehensive Geriatric ..... No
Medicare Discharges ..... 35.4 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.5372	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... Yes
Total Number of Physicians..... 799	Other Intensive Care ..... Yes
Percent of Physicians Board Certified Specialists..... 74.3 %	Trauma Center ..... Yes
Medical Residents/Interns ..... 138	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses.....1214	Alcohol/Drug ..... Yes
Licensed Practical Nurses ..... 335	Rehabilitation..... Yes
	Psychiatric..... Yes
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# BAPTIST MEMORIAL HOSPITAL GERMANTOWN

2100 EXETER ROAD  
GERMANTOWN, TN 38138  
Medicare Provider Number: 440147

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	44	0.0	0.8	-----	0.0	1.9	-----	0.0	3.1	-----
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	8	0.0	0.4	-----	0.0	1.0	-----	0.0	1.7	-----
Cholecystectomy.....	0									
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation was not computed for one or more of the three fiscal years, (1988, 1989, or 1990)

# BAPTIST MEMORIAL HOSPITAL GERMANTOWN

Medicare Provider Number: 440147

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	69.5 years	Cancer.....	6.8 %
Proportion female.....	52.3 %	Chronic cardiovascular disease.....	4.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.0 %
Referred by personal or HMO physician.....	97.7 %	Chronic renal disease.....	0.0 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	0.0 %
Admitted for elective procedure.....	50.0 %	Cerebrovascular degeneration.....	0.0 %
Admitted for emergency.....	0.0 %	Diabetes mellitus.....	2.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	27.9%	Hospital .....	2.3 Days
State .....	26.5%	State .....	8.1 Days
Outside State .....	45.6%	National .....	8.6 Days
Total .....	100.0%		

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990			
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>		
Total Beds .....	50	Burn Unit .....	No
Occupancy Rate .....	2.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	Church	Comprehensive Geriatric .....	No
Medicare Discharges .....	24.4 %	Hospice Care .....	No
Case Mix Index (CMI) .....	0.8651	Medical/Surgical Intensive Care .....	No
<b>STAFFING:</b>		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	40	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists .....	75.0 %	Trauma Center .....	No
Medical Residents/Interns .....	3	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
Registered Nurses.....	26	Alcohol/Drug .....	No
Licensed Practical Nurses .....	2	Rehabilitation.....	No
		Psychiatric .....	No
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BAPTIST MEMORIAL HOSPITAL HUNTINGDON

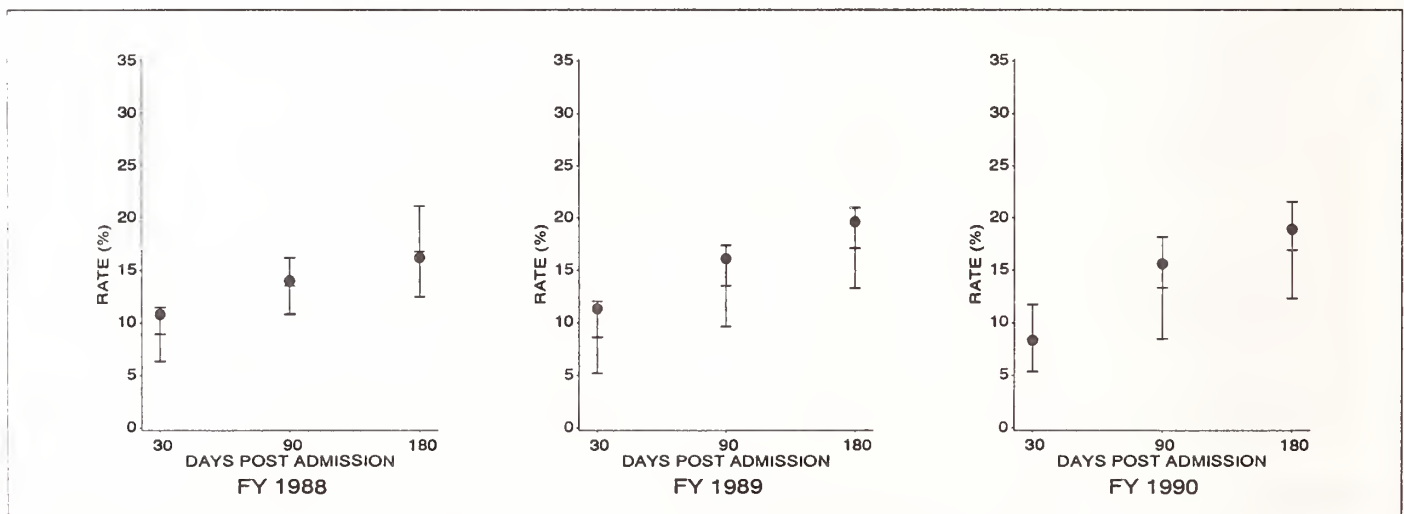
631 R B WILSON DR  
HUNTINGDON, TN 38344  
Medicare Provider Number: 440016

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	545	8.3	8.5	1.6	15.6	13.3	2.4	18.9	16.9	2.3
CONDITIONS:										
Acute Myocardial Infarction.....	12	33.3	31.6	----	50.0	34.7	----	58.3	37.4	----
Congestive Heart Failure.....	27	18.5	14.4	----	29.6	23.4	----	33.3	30.2	----
Pneumonia/Influenza.....	42	11.9	15.4	----	23.8	21.3	----	23.8	25.5	----
Chronic Obstructive Pulmonary Disease.....	27	11.1	8.5	----	18.5	15.4	----	22.2	20.3	----
Transient Cerebral Ischemia.....	18	0.0	3.1	----	0.0	6.8	----	5.6	10.3	----
Stroke.....	22	36.4	21.7	----	54.5	31.9	----	63.6	37.3	----
Hip Fracture.....	11	9.1	5.5	----	9.1	10.5	----	18.2	14.1	----
Sepsis.....	6	16.7	19.4	----	16.7	25.1	----	16.7	30.6	----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	1.2	----	0.0	2.7	----	0.0	4.1	----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	11	9.1	4.3	----	9.1	8.8	----	18.2	12.3	----
Prostatectomy.....	1	0.0	1.9	----	0.0	4.8	----	0.0	8.0	----
Cholecystectomy.....	10	10.0	4.9	----	10.0	9.8	----	10.0	13.6	----
Hysterectomy.....	1	0.0	0.1	----	0.0	0.1	----	0.0	0.2	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BAPTIST MEMORIAL HOSPITAL HUNTINGDON

Medicare Provider Number: 440016

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	74.8 years	Cancer.....	4.4 %
Proportion female.....	62.2 %	Chronic cardiovascular disease.....	43.9 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.2 %
Referred by personal or HMO physician.....	35.6 %	Chronic renal disease.....	3.9 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	25.3 %
Admitted for elective procedure.....	0.0 %	Cerebrovascular degeneration.....	3.7 %
Admitted for emergency.....	2.0 %	Diabetes mellitus.....	13.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	91.4%	Hospital .....	8.2 Days
State .....	8.0%	State .....	8.1 Days
Outside State .....	0.6%	National .....	8.6 Days
Total .....	100.0%		

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds .....	70	Burn Unit .....	No
Occupancy Rate .....	47.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	Church	Comprehensive Geriatric .....	No
Medicare Discharges .....	52.5 %	Hospice Care .....	No
Case Mix Index (CMI) .....	0.9727	Medical/Surgical Intensive Care.....	Yes
STAFFING:		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	20	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists .....	75.0 %	Trauma Center .....	No
Medical Residents/Interns .....	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses.....	19	Alcohol/Drug .....	No
Licensed Practical Nurses.....	25	Rehabilitation.....	No
		Psychiatric .....	No
		Medicare Swing Beds .....	Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# BAPTIST MEMORIAL HOSPITAL LAUDERDALE

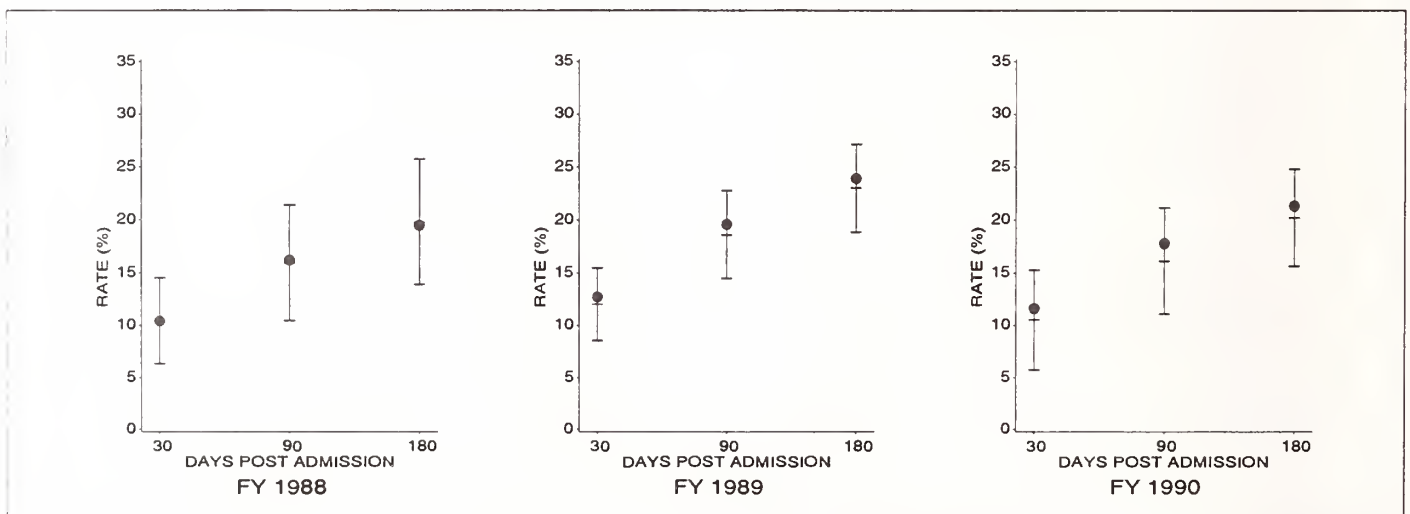
326 ASBURY RD  
RIPLEY, TN 38063  
Medicare Provider Number: 440114

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	455	11.6	10.5	2.4	17.8	16.1	2.5	21.3	20.2	2.3
CONDITIONS:										
Acute Myocardial Infarction.....	16	56.3	23.3	-----	62.5	30.1	-----	62.5	34.2	-----
Congestive Heart Failure.....	35	8.6	11.7	-----	8.6	19.3	-----	20.0	25.6	-----
Pneumonia/Influenza.....	59	10.2	15.0	5.7	13.6	21.1	7.9	13.6	25.6	9.2
Chronic Obstructive Pulmonary Disease.....	22	0.0	7.5	-----	9.1	12.9	-----	9.1	17.1	-----
Transient Cerebral Ischemia.....	6	0.0	1.8	-----	0.0	3.9	-----	0.0	6.3	-----
Stroke.....	19	15.8	20.1	-----	26.3	27.0	-----	36.8	30.9	-----
Hip Fracture.....	0									
Sepsis.....	12	25.0	19.9	-----	25.0	26.4	-----	25.0	30.8	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	2.9	-----	0.0	5.6	-----	100.0	7.5	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	3	0.0	0.5	-----	0.0	1.0	-----	0.0	1.7	-----
Cholecystectomy.....	3	0.0	2.4	-----	33.3	4.6	-----	33.3	6.1	-----
Hysterectomy.....	1	0.0	0.6	-----	0.0	1.3	-----	0.0	1.9	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# BAPTIST MEMORIAL HOSPITAL LAUDERDALE

Medicare Provider Number: 440114

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.0 years  
 Proportion female..... 57.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 52.5 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 3.7 %  
 Admitted for emergency..... 18.7 %

### COMORBIDITIES:

Cancer..... 5.1 %  
 Chronic cardiovascular disease..... 40.9 %  
 Chronic liver disease..... 0.9 %  
 Chronic renal disease..... 2.9 %  
 Chronic pulmonary disease..... 31.4 %  
 Cerebrovascular degeneration..... 9.0 %  
 Diabetes mellitus..... 13.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 92.9%  
 State..... 6.4%  
 Outside State..... 0.7%  
 Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.4 Days  
 State..... 8.1 Days  
 National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 70  
 Occupancy Rate..... 34.0 %  
 Ownership/Control..... Church  
 Medicare Discharges..... 60.8 %  
 Case Mix Index (CMI)..... 1.1055

### STAFFING:

Total Number of Physicians..... 9  
 Percent of Physicians Board  
 Certified Specialists..... 77.8 %  
 Medical Residents/Interns..... 0  
 Registered Nurses..... 17  
 Licensed Practical Nurses..... 8

### SPECIALTY SERVICES:

Burn Unit..... No  
 Cardiac Intensive Care..... No  
 Comprehensive Geriatric..... No  
 Hospice Care..... No  
 Medical/Surgical Intensive Care..... Yes  
 Organ/Tissue Transplant..... No  
 Other Intensive Care..... No  
 Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
 Rehabilitation..... No  
 Psychiatric..... No  
 Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# BAPTIST MEMORIAL HOSPITAL TIPTON

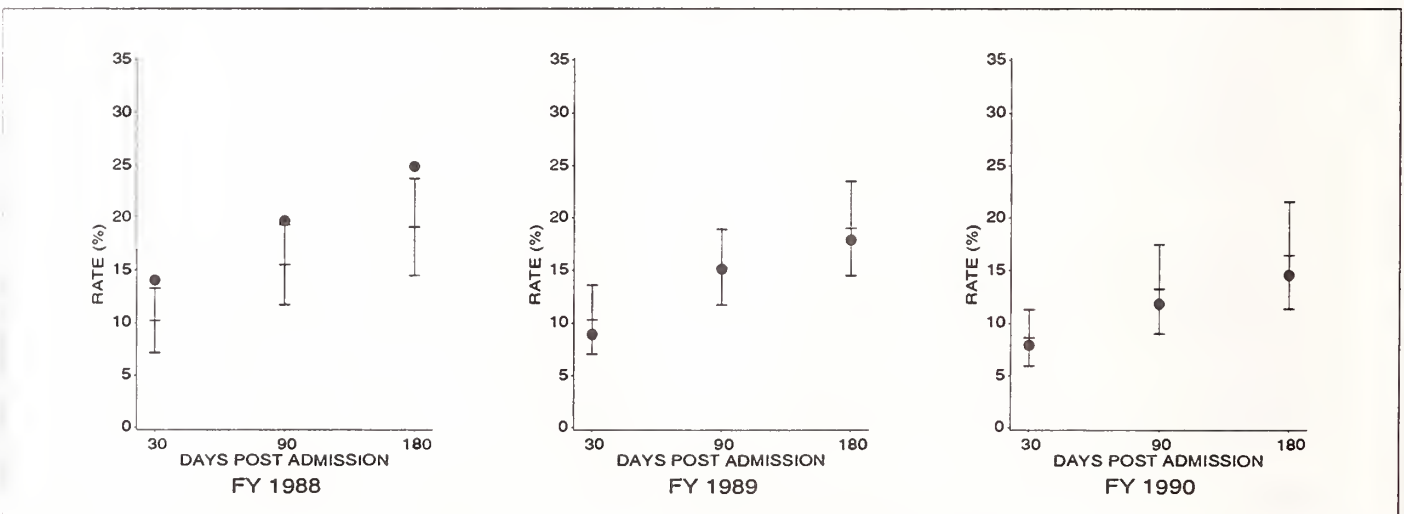
1995 HWY 51 S, BOX 737  
 COVINGTON, TN 38019  
 Medicare Provider Number: 440131

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	723	7.9	8.6	1.3	11.8	13.2	2.1	14.5	16.4	2.6
CONDITIONS:										
Acute Myocardial Infarction.....	20	25.0	22.2	-----	35.0	27.2	-----	35.0	30.6	-----
Congestive Heart Failure.....	53	13.2	14.0	6.4	20.8	22.6	5.9	26.4	28.6	7.0
Pneumonia/Influenza.....	30	10.0	15.1	-----	16.7	20.6	-----	23.3	24.0	-----
Chronic Obstructive Pulmonary Disease.....	24	0.0	7.7	-----	0.0	12.7	-----	4.2	15.9	-----
Transient Cerebral Ischemia.....	17	0.0	1.7	-----	5.9	3.8	-----	5.9	6.1	-----
Stroke.....	22	18.2	18.5	-----	18.2	23.4	-----	31.8	26.9	-----
Hip Fracture.....	10	10.0	7.6	-----	30.0	14.1	-----	30.0	18.6	-----
Sepsis.....	29	34.5	22.7	-----	37.9	28.9	-----	37.9	33.4	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	20.0	3.0	-----	20.0	6.1	-----	20.0	9.1	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	2	0.0	3.2	-----	0.0	6.6	-----	0.0	8.9	-----
Open Reduction of Hip Fracture.....	5	0.0	4.8	-----	20.0	9.8	-----	20.0	13.6	-----
Prostatectomy.....	40	0.0	0.9	-----	2.5	2.1	-----	2.5	3.6	-----
Cholecystectomy.....	17	0.0	1.6	-----	0.0	2.6	-----	0.0	3.3	-----
Hysterectomy.....	3	0.0	1.0	-----	0.0	2.2	-----	0.0	3.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





# BAPTIST MEMORIAL HOSPITAL TIPTON

Medicare Provider Number: 440131

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.1 years	Cancer..... 3.3 %
Proportion female..... 57.5 %	Chronic cardiovascular disease..... 36.4 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.3 %
Referred by personal or HMO physician..... 38.9 %	Chronic renal disease..... 2.6 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 18.3 %
Admitted for elective procedure ..... 1.8 %	Cerebrovascular degeneration..... 4.1 %
Admitted for emergency..... 29.3 %	Diabetes mellitus..... 12.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 64.7%	Hospital ..... 6.5 Days
State ..... 33.7%	State ..... 8.1 Days
Outside State ..... 1.6%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>
Total Beds ..... 100	Burn Unit ..... No
Occupancy Rate ..... 42.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Church	Comprehensive Geriatric ..... No
Medicare Discharges ..... 40.2 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.1058	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 23	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 43.5 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 48	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 33	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BAPTIST MEMORIAL HOSPITAL UNION CITY

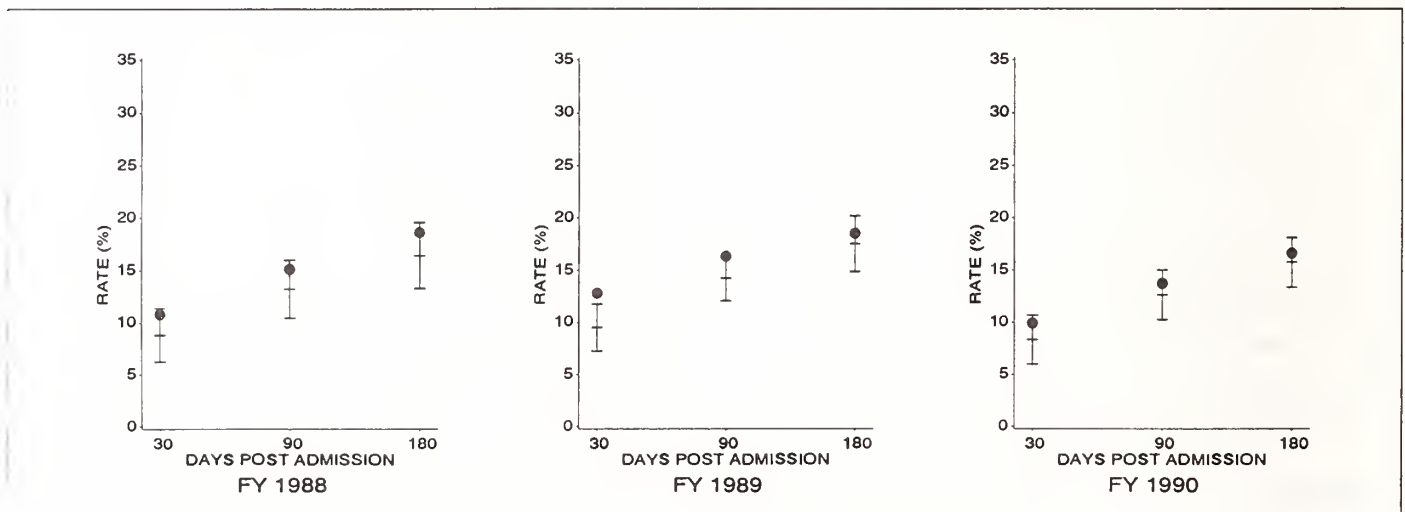
BISHOP AT RUSSELL  
UNION CITY, TN 38261  
Medicare Provider Number: 440130

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1135	9.9	8.3	1.2	13.7	12.6	1.2	16.6	15.7	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	27	29.6	26.4	----	33.3	29.8	----	40.7	32.8	----
Congestive Heart Failure.....	75	24.0	13.8	6.7	33.3	22.1	7.8	38.7	28.3	8.2
Pneumonia/Influenza.....	43	11.6	14.7	----	16.3	20.0	----	18.6	24.1	----
Chronic Obstructive Pulmonary Disease.....	46	6.5	8.2	----	13.0	14.6	----	15.2	19.2	----
Transient Cerebral Ischemia.....	25	4.0	1.6	----	8.0	3.6	----	8.0	6.0	----
Stroke.....	44	27.3	19.6	----	34.1	25.9	----	36.4	29.5	----
Hip Fracture.....	39	7.7	6.2	----	7.7	10.8	----	12.8	14.2	----
Sepsis.....	10	30.0	20.5	----	40.0	29.3	----	40.0	35.1	----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	8	0.0	4.7	----	0.0	8.1	----	0.0	10.4	----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	20	5.0	4.3	----	5.0	7.8	----	5.0	10.4	----
Open Reduction of Hip Fracture.....	21	9.5	4.9	----	9.5	8.8	----	19.0	11.8	----
Prostatectomy.....	29	0.0	0.7	----	3.4	1.6	----	10.3	2.9	----
Cholecystectomy.....	31	0.0	1.7	----	3.2	3.1	----	3.2	4.2	----
Hysterectomy.....	18	0.0	0.2	----	0.0	0.5	----	0.0	0.8	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**BAPTIST MEMORIAL HOSPITAL UNION CITY**  
 Medicare Provider Number: 440130

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	74.9 years	Cancer.....	3.6 %
Proportion female.....	60.4 %	Chronic cardiovascular disease.....	36.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.7 %
Referred by personal or HMO physician.....	40.5 %	Chronic renal disease.....	1.2 %
Transferred from skilled nursing facility.....	0.5 %	Chronic pulmonary disease.....	17.9 %
Admitted for elective procedure.....	8.0 %	Cerebrovascular degeneration.....	5.6 %
Admitted for emergency.....	27.7 %	Diabetes mellitus.....	9.0 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City.....	71.1%	Hospital .....	6.4 Days
State .....	18.1%	State .....	8.1 Days
Outside State .....	10.8%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	
Total Beds .....	130
Occupancy Rate .....	53.0 %
Ownership/Control.....	Church
Medicare Discharges .....	38.2 %
Case Mix Index (CMI) .....	1.1335
<b>STAFFING:</b>	
Total Number of Physicians.....	24
Percent of Physicians Board Certified Specialists .....	58.3 %
Medical Residents/Interns .....	0
Registered Nurses.....	70
Licensed Practical Nurses .....	49
<b>SPECIALTY SERVICES:</b>	
Burn Unit .....	No
Cardiac Intensive Care .....	No
Comprehensive Geriatric .....	No
Hospice Care .....	No
Medical/Surgical Intensive Care .....	Yes
Organ/Tissue Transplant .....	No
Other Intensive Care .....	No
Trauma Center .....	No
<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
Alcohol/Drug.....	Yes
Rehabilitation.....	No
Psychiatric .....	Yes
Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BEDFORD COUNTY GENERAL HOSPITAL

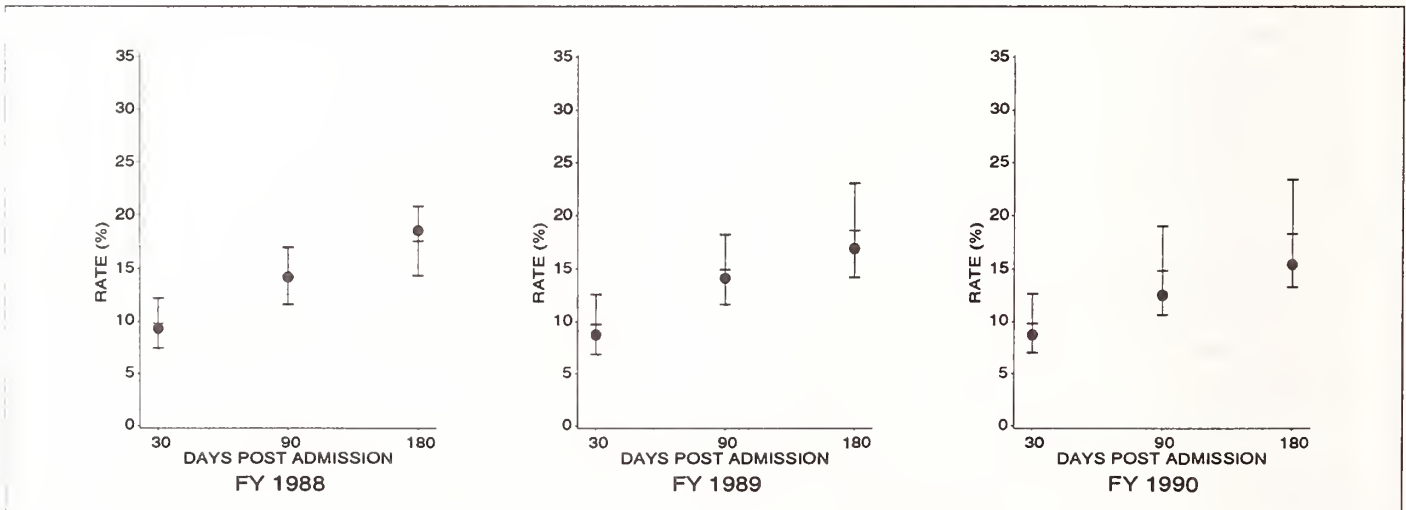
845 UNION ST  
SHELBYVILLE, TN 37160  
Medicare Provider Number: 440137

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	670	8.7	9.8	1.4	12.5	14.8	2.1	15.4	18.3	2.5
CONDITIONS:										
Acute Myocardial Infarction.....	3	0.0	21.9	-----	0.0	23.6	-----	0.0	26.1	-----
Congestive Heart Failure.....	59	8.5	12.8	5.7	20.3	20.4	5.3	27.1	26.3	7.0
Pneumonia/Influenza.....	83	6.0	13.7	5.1	8.4	18.9	6.4	9.6	22.1	7.1
Chronic Obstructive Pulmonary Disease.....	13	0.0	7.5	-----	0.0	14.1	-----	7.7	19.6	-----
Transient Cerebral Ischemia.....	12	0.0	2.0	-----	0.0	4.5	-----	8.3	7.4	-----
Stroke.....	21	14.3	15.8	-----	19.0	21.6	-----	19.0	24.9	-----
Hip Fracture.....	16	18.8	6.4	-----	18.8	11.2	-----	25.0	14.5	-----
Sepsis.....	7	28.6	35.7	-----	28.6	44.6	-----	42.9	49.1	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	7	42.9	6.0	-----	42.9	10.6	-----	42.9	13.8	-----
Open Reduction of Hip Fracture.....	9	0.0	5.4	-----	0.0	9.9	-----	11.1	12.9	-----
Prostatectomy.....	13	7.7	1.3	-----	15.4	3.5	-----	15.4	6.0	-----
Cholecystectomy.....	7	0.0	1.4	-----	0.0	3.2	-----	0.0	4.9	-----
Hysterectomy.....	7	0.0	1.3	-----	0.0	3.0	-----	0.0	4.6	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BEDFORD COUNTY GENERAL HOSPITAL

Medicare Provider Number: 440137

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.6 years	Cancer..... 4.6 %
Proportion female..... 61.0 %	Chronic cardiovascular disease..... 28.8 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.4 %
Referred by personal or HMO physician..... 66.3 %	Chronic renal disease..... 3.7 %
Transferred from skilled nursing facility..... 0.4 %	Chronic pulmonary disease..... 13.3 %
Admitted for elective procedure..... 0.6 %	Cerebrovascular degeneration..... 4.0 %
Admitted for emergency..... 21.2 %	Diabetes mellitus..... 8.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 90.4%	Hospital ..... 5.6 Days
State ..... 8.0%	State ..... 8.1 Days
Outside State ..... 1.6%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 182	Burn Unit ..... No
Occupancy Rate ..... 76.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Local Government	Comprehensive Geriatric ..... No
Medicare Discharges ..... 38.2 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.1039	Medical/Surgical Intensive Care ..... Yes
STAFFING:	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 24	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 75.0 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses..... 52	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 30	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# BLEDSOE COUNTY HOSPITAL

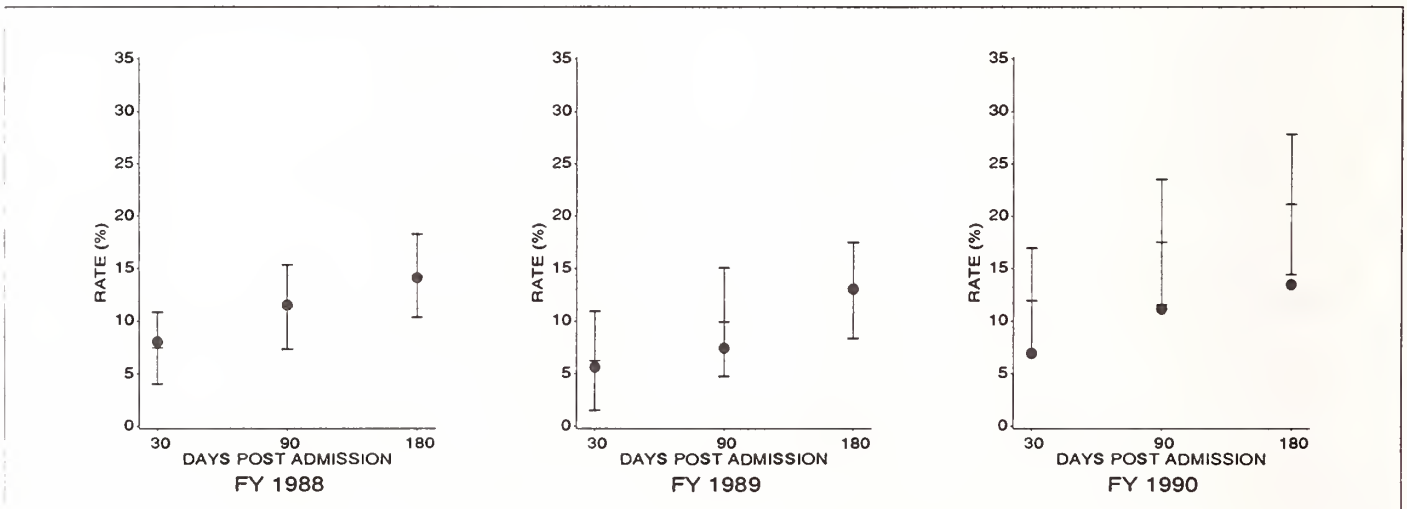
HWY 30, BOX 428  
PIKEVILLE, TN 37367  
Medicare Provider Number: 440157

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	262	6.9	11.9	2.5	11.1	17.5	3.0	13.4	21.1	3.4
CONDITIONS:										
Acute Myocardial Infarction.....	12	33.3	32.3	-----	41.7	35.4	-----	41.7	37.6	-----
Congestive Heart Failure.....	10	0.0	15.1	-----	10.0	24.2	-----	10.0	30.4	-----
Pneumonia/Influenza.....	15	6.7	17.0	-----	6.7	22.7	-----	13.3	26.0	-----
Chronic Obstructive Pulmonary Disease.....	14	0.0	6.5	-----	7.1	12.3	-----	7.1	17.1	-----
Transient Cerebral Ischemia.....	5	0.0	2.1	-----	20.0	5.2	-----	20.0	8.7	-----
Stroke.....	9	0.0	17.8	-----	11.1	23.1	-----	33.3	27.1	-----
Hip Fracture.....	2	0.0	5.1	-----	50.0	9.6	-----	50.0	12.8	-----
Sepsis.....	4	25.0	27.9	-----	25.0	43.7	-----	25.0	49.9	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	4	0.0	0.7	-----	0.0	1.3	-----	0.0	1.8	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BLEDSOE COUNTY HOSPITAL

Medicare Provider Number: 440157

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.5 years	Cancer..... 4.2 %
Proportion female..... 59.9 %	Chronic cardiovascular disease..... 33.2 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 1.5 %
Referred by personal or HMO physician..... 0.0 %	Chronic renal disease..... 5.0 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 21.0 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 1.9 %
Admitted for emergency..... 97.7 %	Diabetes mellitus..... 8.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 77.6%	Hospital ..... 5.7 Days
State ..... 21.6%	State ..... 8.1 Days
Outside State ..... 0.8%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 32 Occupancy Rate ..... 46.0 % Ownership/Control..... Private, For Profit Medicare Discharges ..... 50.7 % Case Mix Index (CMI) ..... 1.0574  <b>STAFFING:</b> Total Number of Physicians..... 4 Percent of Physicians Board Certified Specialists ..... 25.0 % Medical Residents/Interns ..... 0 Registered Nurses ..... 10 Licensed Practical Nurses ..... 6	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... No Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No  <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... Yes
** Except for CMI	

\* Not used in calculating mortality rates

# BLOUNT MEMORIAL HOSPITAL

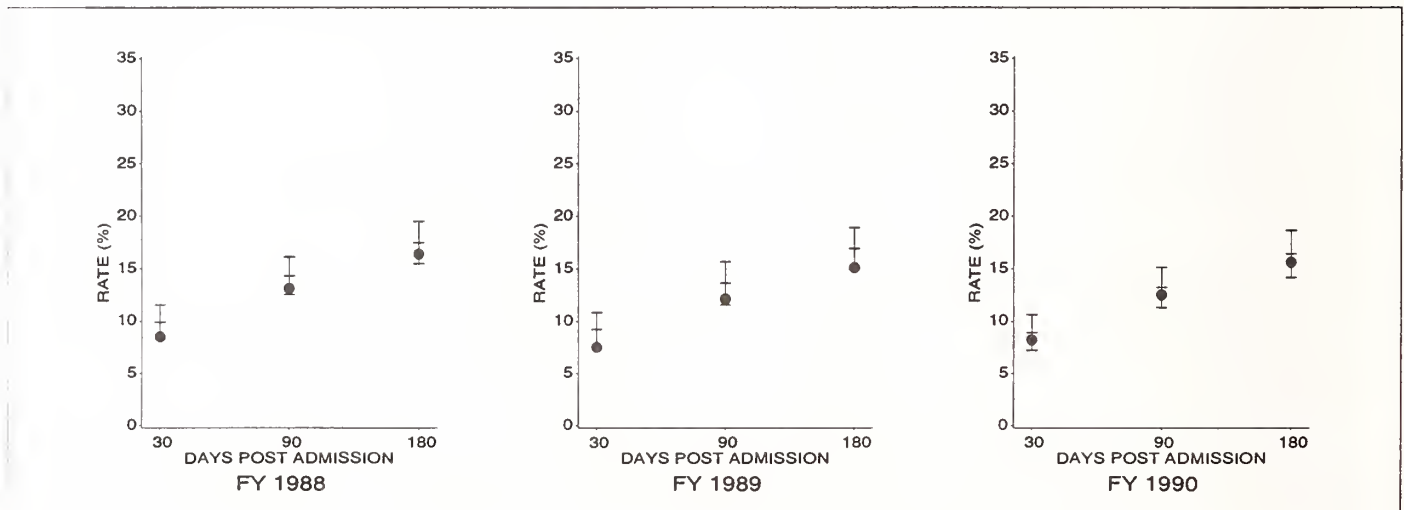
907 E LAMAR ALEXANDER PARKWAY  
MARYVILLE, TN 37801  
Medicare Provider Number: 440011

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	2239	8.2	8.9	0.9	12.5	13.2	1.0	15.6	16.4	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	94	24.5	25.9	6.3	25.5	28.8	6.5	28.7	31.6	6.3
Congestive Heart Failure.....	121	9.9	14.0	4.3	13.2	22.0	6.0	24.0	28.0	8.0
Pneumonia/Influenza.....	127	13.4	14.9	3.3	22.8	20.4	5.5	24.4	24.2	3.9
Chronic Obstructive Pulmonary Disease.....	48	0.0	4.9	----	4.2	9.2	----	4.2	12.7	----
Transient Cerebral Ischemia.....	33	0.0	2.8	----	0.0	5.4	----	3.0	8.1	----
Stroke.....	94	22.3	21.2	4.3	28.7	26.9	5.4	31.9	30.6	5.2
Hip Fracture.....	75	4.0	6.6	5.0	6.7	11.2	5.7	12.0	14.5	5.1
Sepsis.....	27	25.9	23.2	----	29.6	30.4	----	40.7	34.7	----
PROCEDURES:										
Angioplasty.....	4	50.0	7.4	----	50.0	8.1	----	50.0	9.0	----
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	2.4	----	0.0	4.4	----	0.0	6.4	----
Carotid Endarterectomy.....	13	0.0	1.5	----	0.0	2.8	----	7.7	4.1	----
Hip Replacement/Reconstruction.....	38	0.0	3.9	----	2.6	6.4	----	7.9	8.1	----
Open Reduction of Hip Fracture.....	57	5.3	6.0	4.5	8.8	10.7	4.8	12.3	14.1	4.9
Prostatectomy.....	73	1.4	0.9	1.5	2.7	2.1	2.5	2.7	3.6	3.8
Cholecystectomy.....	67	1.5	1.8	2.6	3.0	3.2	2.4	4.5	4.4	2.6
Hysterectomy.....	9	0.0	0.1	----	0.0	0.2	----	0.0	0.4	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BLOUNT MEMORIAL HOSPITAL

Medicare Provider Number: 440011

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.1 years	Cancer..... 7.2 %
Proportion female..... 55.4 %	Chronic cardiovascular disease..... 37.2 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.8 %
Referred by personal or HMO physician..... 48.2 %	Chronic renal disease..... 1.9 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 17.3 %
Admitted for elective procedure..... 28.0 %	Cerebrovascular degeneration..... 3.6 %
Admitted for emergency..... 64.4 %	Diabetes mellitus..... 8.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 83.2%	Hospital ..... 7.5 Days
State ..... 14.5%	State ..... 8.1 Days
Outside State ..... 2.3%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 203	Burn Unit ..... No
Occupancy Rate ..... 69.0 %	Cardiac Intensive Care ..... Yes
Ownership/Control..... Local Government	Comprehensive Geriatric ..... No
Medicare Discharges ..... 42.8 %	Hospice Care ..... Yes
Case Mix Index (CMI) ..... 1.2294	Medical/Surgical Intensive Care..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 91	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 71.4 %	Trauma Center ..... Yes
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 155	Alcohol/Drug ..... Yes
Licensed Practical Nurses ..... 65	Rehabilitation..... No
	Psychiatric ..... Yes
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BOLIVAR COMMUNITY HOSPITAL

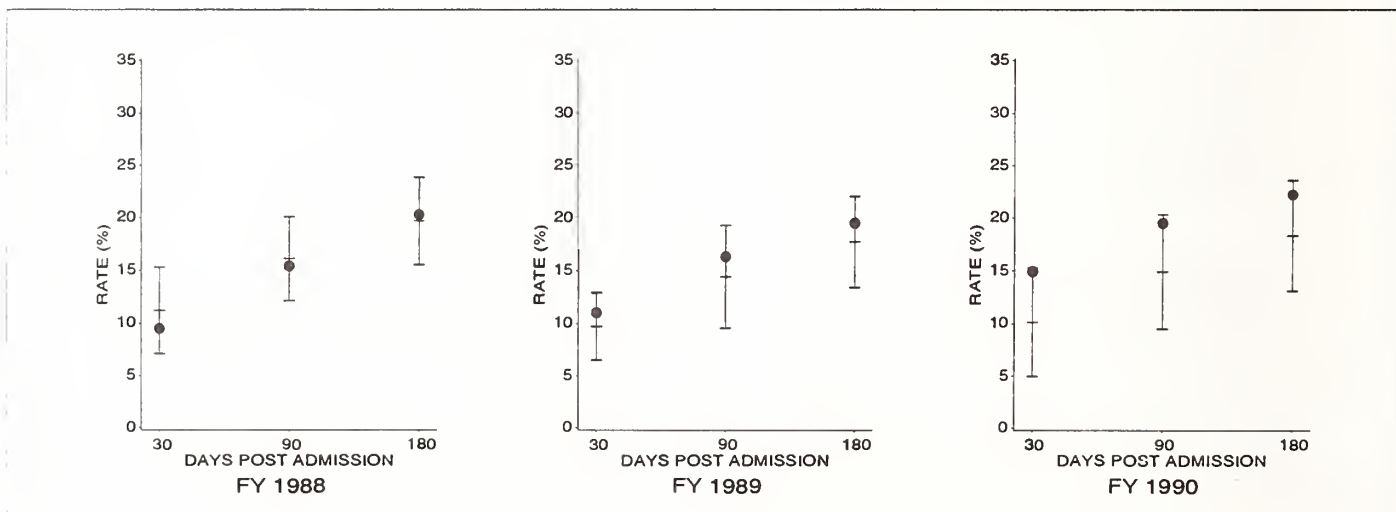
650 NUCKOLLS ROAD  
BOLIVAR, TN 38008  
Medicare Provider Number: 440181

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	370	14.9	10.1	2.6	19.5	14.9	2.7	22.2	18.3	2.6
CONDITIONS:										
Acute Myocardial Infarction.....	8	50.0	33.7	-----	50.0	37.0	-----	50.0	40.8	-----
Congestive Heart Failure.....	18	16.7	14.1	-----	16.7	22.9	-----	16.7	28.8	-----
Pneumonia/Influenza.....	53	18.9	15.7	5.9	20.8	21.5	5.8	24.5	25.0	7.0
Chronic Obstructive Pulmonary Disease.....	12	8.3	7.6	-----	8.3	13.8	-----	16.7	18.2	-----
Transient Cerebral Ischemia.....	5	0.0	1.6	-----	0.0	3.6	-----	0.0	5.7	-----
Stroke.....	12	33.3	20.7	-----	41.7	28.3	-----	50.0	32.9	-----
Hip Fracture.....	1	100.0	5.4	-----	100.0	9.7	-----	100.0	12.6	-----
Sepsis.....	5	20.0	35.8	-----	40.0	42.3	-----	40.0	46.5	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	15	6.7	1.5	-----	6.7	3.7	-----	6.7	6.1	-----
Cholecystectomy.....	2	50.0	6.2	-----	50.0	13.0	-----	50.0	18.4	-----
Hysterectomy.....	1	0.0	0.1	-----	0.0	0.3	-----	0.0	0.5	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BOLIVAR COMMUNITY HOSPITAL

Medicare Provider Number: 440181

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

<p><b>DEMOGRAPHICS:</b></p> <p>Average age at admission..... 74.0 years</p> <p>Proportion female..... 50.0 %</p> <p><b>ADMISSION SOURCES/TYPES:</b></p> <p>Referred by personal or HMO physician..... 64.6 %</p> <p>Transferred from skilled nursing facility..... 0.0 %</p> <p>Admitted for elective procedure..... 32.7 %</p> <p>Admitted for emergency..... 62.2 %</p>	<p><b>COMORBIDITIES:</b></p> <p>Cancer..... 2.4 %</p> <p>Chronic cardiovascular disease..... 22.4 %</p> <p>Chronic liver disease..... 1.4 %</p> <p>Chronic renal disease..... 5.1 %</p> <p>Chronic pulmonary disease..... 7.6 %</p> <p>Cerebrovascular degeneration..... 2.7 %</p> <p>Diabetes mellitus..... 7.6 %</p>
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## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

<p><b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b></p> <p>County/City ..... 79.1%</p> <p>State ..... 17.4%</p> <p>Outside State ..... 3.5%</p> <p>Total ..... 100.0%</p>	<p><b>MEDICARE AVERAGE LENGTH OF STAY:</b></p> <p>Hospital ..... 5.4 Days</p> <p>State ..... 8.1 Days</p> <p>National ..... 8.6 Days</p>
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## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<p><b>PROFILE:</b></p> <p>Total Beds ..... 47</p> <p>Occupancy Rate ..... 44.0 %</p> <p>Ownership/Control..... Private, Non-Profit</p> <p>Medicare Discharges ..... 51.5 %</p> <p>Case Mix Index (CMI) ..... 0.9722</p> <p><b>STAFFING:</b></p> <p>Total Number of Physicians..... 9</p> <p>Percent of Physicians Board Certified Specialists..... 11.1 %</p> <p>Medical Residents/Interns ..... 0</p> <p>Registered Nurses..... 32</p> <p>Licensed Practical Nurses..... 17</p>	<p><b>SPECIALTY SERVICES:</b></p> <p>Burn Unit ..... No</p> <p>Cardiac Intensive Care ..... No</p> <p>Comprehensive Geriatric ..... No</p> <p>Hospice Care ..... Yes</p> <p>Medical/Surgical Intensive Care ..... No</p> <p>Organ/Tissue Transplant ..... No</p> <p>Other Intensive Care ..... No</p> <p>Trauma Center ..... No</p> <p><b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b></p> <p>Alcohol/Drug ..... Yes</p> <p>Rehabilitation..... No</p> <p>Psychiatric ..... No</p> <p>Medicare Swing Beds ..... Yes</p>
** Except for CMI	

\* Not used in calculating mortality rates

# BRADLEY MEMORIAL HOSPITAL

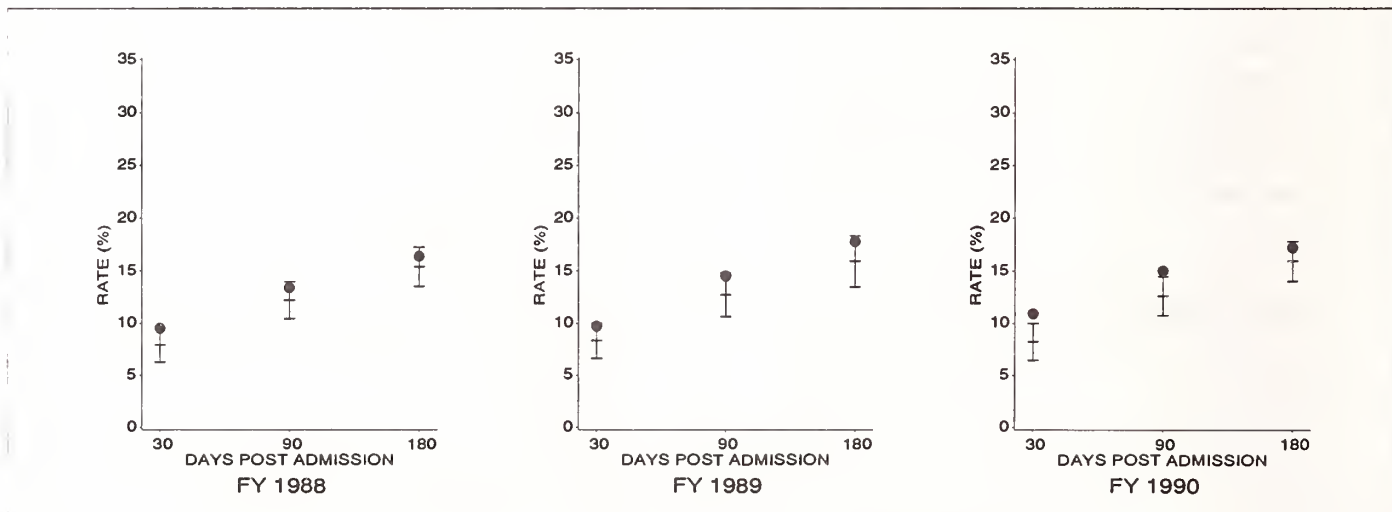
CHAMBLISS AVE NW  
CLEVELAND, TN 37311  
Medicare Provider Number: 440024

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1864	10.9	8.2	0.9	15.0	12.6	0.9	17.2	15.9	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	45	26.7	21.4	-----	26.7	23.9	-----	26.7	26.3	-----
Congestive Heart Failure.....	91	14.3	14.7	3.7	20.9	23.7	5.7	20.9	29.8	7.6
Pneumonia/Influenza.....	107	20.6	15.3	6.3	26.2	20.8	6.5	30.8	24.4	7.1
Chronic Obstructive Pulmonary Disease.....	38	10.5	4.8	-----	10.5	9.2	-----	15.8	13.1	-----
Transient Cerebral Ischemia.....	33	0.0	1.8	-----	0.0	4.2	-----	3.0	6.8	-----
Stroke.....	73	34.2	19.6	7.0	37.0	25.6	6.8	41.1	29.3	6.7
Hip Fracture.....	74	8.1	5.2	2.9	9.5	9.2	3.5	10.8	12.3	4.2
Sepsis.....	6	0.0	22.7	-----	0.0	31.7	-----	16.7	37.8	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	8	0.0	2.6	-----	0.0	5.4	-----	0.0	8.3	-----
Carotid Endarterectomy.....	9	0.0	0.8	-----	0.0	1.6	-----	0.0	2.6	-----
Hip Replacement/Reconstruction.....	42	4.8	4.1	-----	4.8	7.5	-----	4.8	10.0	-----
Open Reduction of Hip Fracture.....	36	8.3	4.0	-----	8.3	7.5	-----	11.1	10.3	-----
Prostatectomy.....	62	3.2	0.9	1.8	3.2	2.2	2.1	3.2	3.8	2.7
Cholecystectomy.....	36	11.1	1.8	-----	11.1	3.3	-----	11.1	4.4	-----
Hysterectomy.....	12	8.3	0.3	-----	8.3	0.6	-----	8.3	1.0	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BRADLEY MEMORIAL HOSPITAL

Medicare Provider Number: 440024

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 73.6 years	Cancer..... 6.0 %
Proportion female..... 55.8 %	Chronic cardiovascular disease..... 32.1 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.9 %
Referred by personal or HMO physician..... 37.4 %	Chronic renal disease..... 2.6 %
Transferred from skilled nursing facility..... 0.3 %	Chronic pulmonary disease..... 13.2 %
Admitted for elective procedure..... 13.8 %	Cerebrovascular degeneration..... 4.3 %
Admitted for emergency..... 10.8 %	Diabetes mellitus..... 8.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 73.5%	Hospital ..... 6.1 Days
State ..... 21.3%	State ..... 8.1 Days
Outside State ..... 5.2%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 190 Occupancy Rate ..... 59.0 % Ownership/Control..... Local Government Medicare Discharges ..... 36.0 % Case Mix Index (CMI) ..... 1.0968	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... Yes Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 83 Percent of Physicians Board Certified Specialists ..... 75.9 % Medical Residents/Interns ..... 0 Registered Nurses..... 207 Licensed Practical Nurses ..... 82	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... Yes Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# BRISTOL REGIONAL MEDICAL CENTER

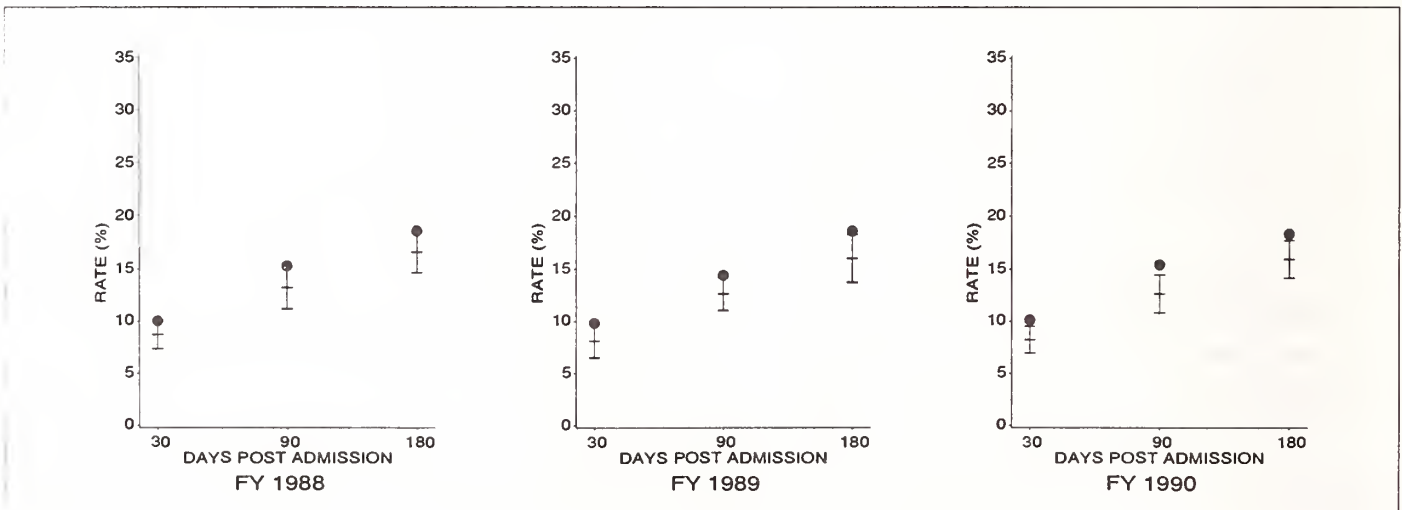
209 MEMORIAL DR  
BRISTOL, TN 37620  
Medicare Provider Number: 440012

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	3225	10.1	8.2	0.6	15.4	12.6	0.9	18.3	15.9	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	117	19.7	24.8	6.4	23.1	27.5	6.1	26.5	30.2	6.0
Congestive Heart Failure.....	147	11.6	13.3	2.9	24.5	21.3	3.7	32.0	27.1	4.5
Pneumonia/Influenza.....	135	15.6	15.0	3.8	23.0	20.9	4.8	25.9	24.7	5.3
Chronic Obstructive Pulmonary Disease.....	54	1.9	5.8	4.4	14.8	10.7	6.3	18.5	14.7	5.7
Transient Cerebral Ischemia.....	56	5.4	1.5	3.8	7.1	3.2	5.5	10.7	5.2	6.6
Stroke.....	121	22.3	19.1	4.5	31.4	25.9	6.1	33.9	29.7	5.8
Hip Fracture.....	64	6.3	5.3	3.3	10.9	9.5	4.5	12.5	12.4	4.6
Sepsis.....	22	45.5	19.7	-----	45.5	26.7	-----	50.0	31.2	-----
PROCEDURES:										
Angioplasty.....	5	0.0	1.5	-----	0.0	2.4	-----	0.0	3.2	-----
Coronary Artery Bypass Graft.....	17	11.8	6.3	-----	11.8	9.0	-----	11.8	10.4	-----
Initial Pacemaker Insertion.....	15	0.0	2.6	-----	0.0	4.6	-----	0.0	6.6	-----
Carotid Endarterectomy.....	25	0.0	1.0	-----	0.0	2.0	-----	0.0	2.9	-----
Hip Replacement/Reconstruction.....	52	1.9	4.3	3.3	5.8	8.1	4.9	5.8	11.1	6.2
Open Reduction of Hip Fracture.....	17	17.6	4.7	-----	23.5	8.5	-----	23.5	11.4	-----
Prostatectomy.....	57	0.0	0.6	1.1	0.0	1.4	1.9	1.8	2.5	2.4
Cholecystectomy.....	55	3.6	2.8	3.0	9.1	4.8	5.3	12.7	6.2	7.0
Hysterectomy.....	27	0.0	0.4	-----	0.0	0.9	-----	0.0	1.5	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BRISTOL REGIONAL MEDICAL CENTER

Medicare Provider Number: 440012

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 72.2 years	Cancer..... 7.9 %
Proportion female..... 55.6 %	Chronic cardiovascular disease..... 29.1 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 1.0 %
Referred by personal or HMO physician..... 42.6 %	Chronic renal disease..... 2.8 %
Transferred from skilled nursing facility..... 0.1 %	Chronic pulmonary disease..... 15.4 %
Admitted for elective procedure..... 42.2 %	Cerebrovascular degeneration..... 4.6 %
Admitted for emergency..... 53.0 %	Diabetes mellitus..... 6.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 41.2%	Hospital ..... 9.0 Days
State ..... 2.0%	State ..... 8.1 Days
Outside State ..... 56.8%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>
Total Beds ..... 346	Burn Unit ..... No
Occupancy Rate ..... 71.0 %	Cardiac Intensive Care ..... Yes
Ownership/Control..... Private, Non-Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 38.9 %	Hospice Care ..... Yes
Case Mix Index (CMI) ..... 1.2253	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 134	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 73.9 %	Trauma Center ..... Yes
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 264	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 69	Rehabilitation..... No
	Psychiatric ..... Yes
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CARTHAGE GENERAL HOSPITAL

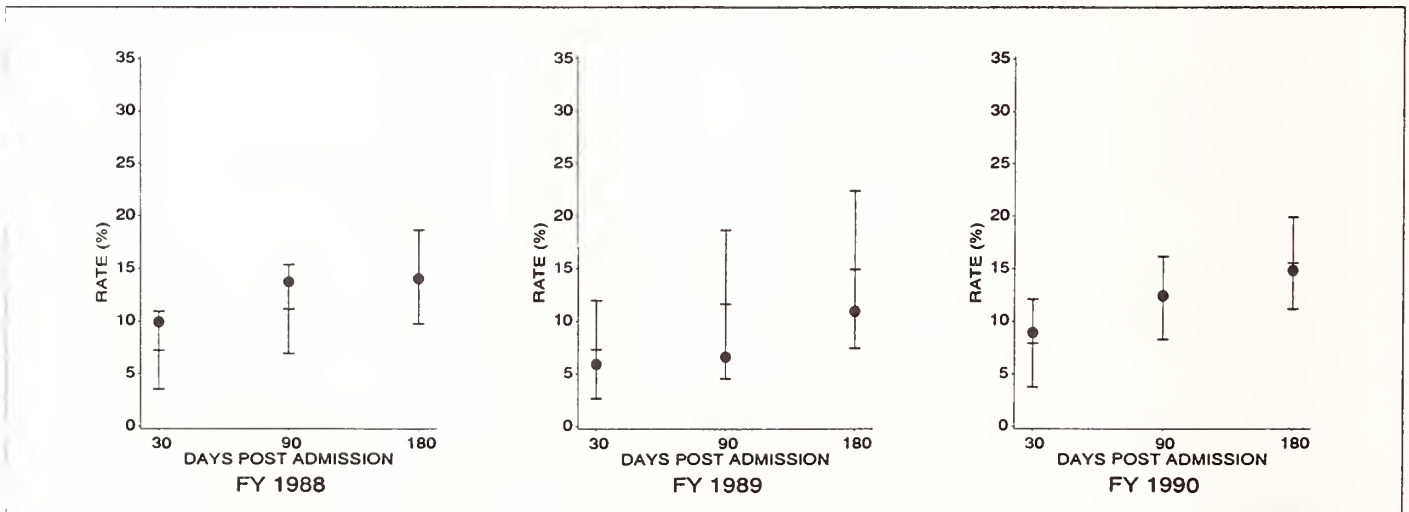
319 HWY 70, BOX 319  
CARTHAGE, TN 37030  
Medicare Provider Number: 440142

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	291	8.9	7.9	2.1	12.4	12.2	2.0	14.8	15.5	2.2
CONDITIONS:										
Acute Myocardial Infarction.....	11	54.5	26.6	----	54.5	30.8	----	54.5	34.5	----
Congestive Heart Failure.....	16	6.3	12.9	----	6.3	20.7	----	12.5	26.6	----
Pneumonia/Influenza.....	31	9.7	11.5	----	9.7	16.2	----	12.9	19.6	----
Chronic Obstructive Pulmonary Disease.....	13	0.0	4.8	----	7.7	9.6	----	7.7	14.1	----
Transient Cerebral Ischemia.....	4	0.0	1.1	----	0.0	2.5	----	25.0	4.3	----
Stroke.....	20	25.0	16.3	----	30.0	22.5	----	30.0	26.8	----
Hip Fracture.....	0									
Sepsis.....	2	50.0	13.3	----	50.0	23.0	----	50.0	27.6	----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	2	0.0	2.2	----	0.0	3.4	----	0.0	4.5	----
Hysterectomy.....	3	0.0	0.1	----	0.0	0.2	----	0.0	0.3	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# CARTHAGE GENERAL HOSPITAL

Medicare Provider Number: 440142

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.2 years	Cancer..... 3.8 %
Proportion female..... 59.8 %	Chronic cardiovascular disease..... 38.5 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.0 %
Referred by personal or HMO physician..... 97.9 %	Chronic renal disease..... 2.7 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 27.8 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 2.7 %
Admitted for emergency..... 0.0 %	Diabetes mellitus..... 5.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 71.0%	Hospital ..... 6.0 Days
State ..... 28.8%	State ..... 8.1 Days
Outside State ..... 0.2%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 29 Occupancy Rate ..... 69.0 % Ownership/Control..... Private, For Profit Medicare Discharges ..... 41.1 % Case Mix Index (CMI) ..... 0.9712	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... No Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 8 Percent of Physicians Board Certified Specialists ..... 87.5 % Medical Residents/Interns ..... 0 Registered Nurses..... 12 Licensed Practical Nurses ..... 14	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... Yes
** Except for CMI	

\* Not used in calculating mortality rates

# CENTENNIAL MEDICAL CENTER

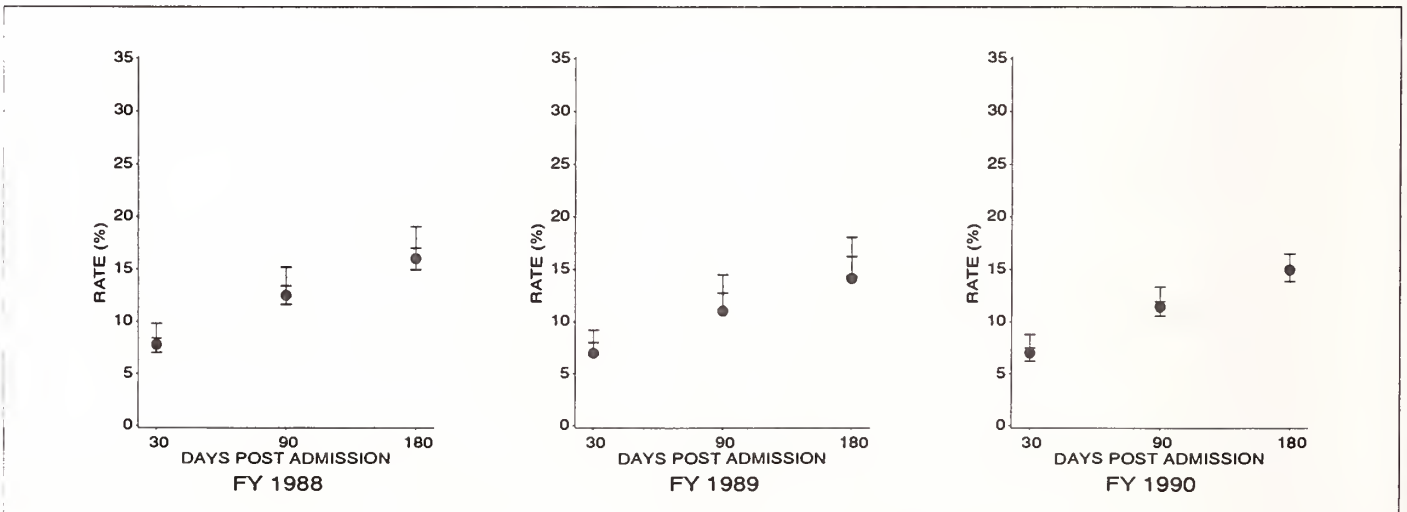
230 25TH AVE N, BOX 1225  
NASHVILLE, TN 37202  
Medicare Provider Number: 440161

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	3294	7.0	7.5	0.7	11.4	11.9	0.7	14.9	15.1	0.7
CONDITIONS:										
Acute Myocardial Infarction.....	89	30.3	23.4	9.6	32.6	26.4	10.3	34.8	29.0	9.7
Congestive Heart Failure.....	118	14.4	13.7	3.4	22.0	22.1	4.1	28.8	28.1	6.1
Pneumonia/Influenza.....	114	15.8	18.5	6.2	21.9	25.8	6.0	27.2	30.4	6.0
Chronic Obstructive Pulmonary Disease.....	46	4.3	7.2	-----	6.5	13.2	-----	10.9	17.7	-----
Transient Cerebral Ischemia.....	16	0.0	2.3	-----	6.3	4.8	-----	18.8	7.4	-----
Stroke.....	87	14.9	16.2	4.1	21.8	22.5	4.6	24.1	26.3	5.0
Hip Fracture.....	55	5.5	7.4	4.4	10.9	13.2	6.4	18.2	17.1	8.4
Sepsis.....	15	26.7	26.2	-----	40.0	35.6	-----	53.3	40.8	-----
PROCEDURES:										
Angioplasty.....	104	9.6	3.9	3.5	10.6	5.0	4.0	11.5	6.0	4.0
Coronary Artery Bypass Graft.....	115	6.1	6.2	2.3	7.8	8.9	3.0	7.8	10.1	3.6
Initial Pacemaker Insertion.....	31	0.0	3.2	-----	3.2	6.2	-----	3.2	8.9	-----
Carotid Endarterectomy.....	30	0.0	1.8	-----	3.3	3.2	-----	6.7	4.6	-----
Hip Replacement/Reconstruction.....	46	8.7	3.9	-----	10.9	7.0	-----	13.0	9.2	-----
Open Reduction of Hip Fracture.....	28	0.0	6.7	-----	7.1	12.3	-----	21.4	16.2	-----
Prostatectomy.....	117	0.9	0.8	0.9	1.7	1.9	1.7	4.3	3.1	2.0
Cholecystectomy.....	81	4.9	2.6	2.7	7.4	5.0	4.1	9.9	6.8	4.8
Hysterectomy.....	40	2.5	0.3	-----	2.5	0.8	-----	2.5	1.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**CENTENNIAL MEDICAL CENTER**  
 Medicare Provider Number: 440161

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	72.8 years	Cancer.....	8.4 %
Proportion female.....	56.3 %	Chronic cardiovascular disease.....	37.3 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.5 %
Referred by personal or HMO physician.....	57.3 %	Chronic renal disease.....	3.2 %
Transferred from skilled nursing facility.....	0.1 %	Chronic pulmonary disease.....	15.2 %
Admitted for elective procedure.....	33.4 %	Cerebrovascular degeneration.....	4.6 %
Admitted for emergency.....	21.8 %	Diabetes mellitus.....	8.7 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	44.1%	Hospital .....	7.8 Days
State .....	45.5%	State .....	8.1 Days
Outside State .....	10.4%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

<b>PROFILE:</b>		<b>SPECIALTY SERVICES:</b>	
Total Beds .....	792	Burn Unit .....	No
Ownership/Control.....	Private, For Profit	Coronary Care Unit .....	Yes
Case Mix Index (CMI) .....	1.5490	Hospice Care .....	No
<b>STAFFING:</b>		Intensive Care Unit .....	Yes
Medical Residents/Interns .....	2	Organ Transplant .....	Yes
Registered Nurses.....	437	Trauma Center .....	No
Licensed Practical Nurses .....	100	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
		Alcohol/Drug .....	No
		Rehabilitation.....	Yes
		Psychiatric .....	Yes
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CHEATHAM MEDICAL CENTER

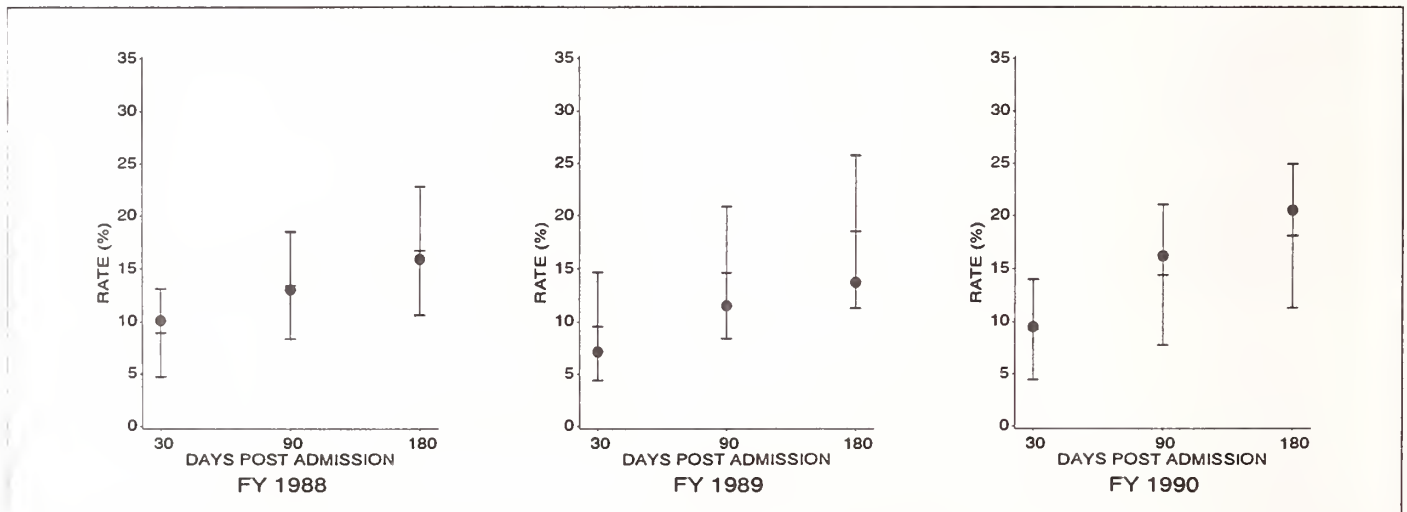
313 N MAIN ST  
ASHLAND CITY, TN 37015  
Medicare Provider Number: 440205

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	210	9.5	9.2	2.4	16.2	14.4	3.3	20.5	18.1	3.4
CONDITIONS:										
Acute Myocardial Infarction.....	2	100.0	33.7	-----	100.0	36.8	-----	100.0	40.2	-----
Congestive Heart Failure.....	17	5.9	12.5	-----	11.8	19.9	-----	17.6	26.1	-----
Pneumonia/Influenza.....	32	18.8	14.8	-----	34.4	21.0	-----	34.4	24.5	-----
Chronic Obstructive Pulmonary Disease.....	10	0.0	6.3	-----	10.0	10.9	-----	30.0	15.4	-----
Transient Cerebral Ischemia.....	5	0.0	1.9	-----	0.0	4.7	-----	20.0	8.5	-----
Stroke.....	9	55.6	23.3	-----	55.6	32.9	-----	66.7	37.9	-----
Hip Fracture.....	1	0.0	4.8	-----	0.0	7.3	-----	0.0	9.2	-----
Sepsis.....	2	0.0	17.0	-----	0.0	23.1	-----	0.0	27.3	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





# CHEATHAM MEDICAL CENTER

Medicare Provider Number: 440205

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

<b>DEMOGRAPHICS:</b>		<b>COMORBIDITIES:</b>	
Average age at admission.....	74.9 years	Cancer.....	6.7 %
Proportion female.....	61.9 %	Chronic cardiovascular disease.....	23.8 %
<b>ADMISSION SOURCES/TYPES:</b>		Chronic liver disease.....	0.0 %
Referred by personal or HMO physician.....	48.1 %	Chronic renal disease.....	1.4 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	19.5 %
Admitted for elective procedure.....	0.0 %	Cerebrovascular degeneration.....	4.8 %
Admitted for emergency.....	6.7 %	Diabetes mellitus.....	8.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

<b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b>		<b>MEDICARE AVERAGE LENGTH OF STAY:</b>	
County/City .....	75.9%	Hospital .....	5.0 Days
State .....	23.3%	State .....	8.1 Days
Outside State .....	0.8%	National .....	8.6 Days
Total .....	100.0%		

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE: Health Care Financing Administration (OSCAR)** - Survey Year 1991</b>			
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>		
Total Beds .....	29	Burn Unit .....	No
Ownership/Control.....	Private, For Profit	Coronary Care Unit .....	No
Case Mix Index (CMI) .....	0.9663	Hospice Care .....	Yes
<b>STAFFING:</b>		Intensive Care Unit .....	No
Medical Residents/Interns .....	0	Organ Transplant .....	No
Registered Nurses.....	13	Trauma Center .....	No
Licensed Practical Nurses .....	8	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
		Alcohol/Drug .....	No
		Rehabilitation.....	Yes
		Psychiatric .....	No
		Medicare Swing Beds .....	Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# CITY OF MILAN HOSPITAL

710 S LIBERTY, BOX 719

MILAN, TN 38358

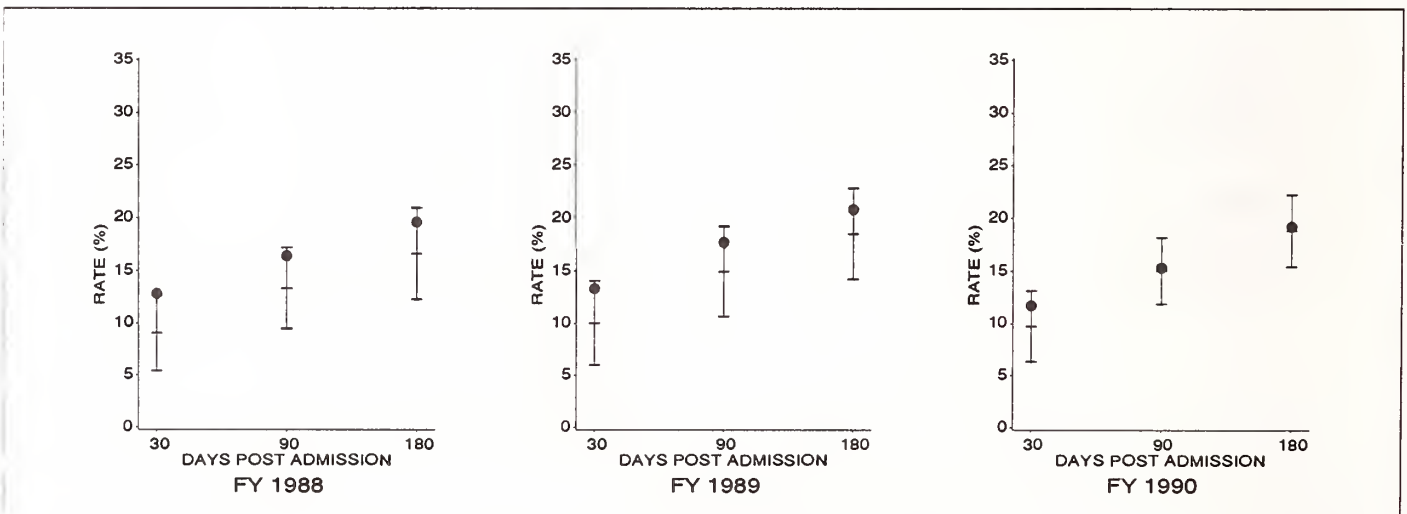
Medicare Provider Number: 440060

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	531	11.7	9.7	1.7	15.3	15.0	1.6	19.2	18.8	1.7
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	22	22.7	29.4	-----	22.7	32.9	-----	27.3	35.6	-----
Congestive Heart Failure.....	32	18.8	16.4	-----	34.4	26.3	-----	37.5	32.9	-----
Pneumonia/Influenza.....	32	18.8	13.1	-----	18.8	18.1	-----	18.8	21.2	-----
Chronic Obstructive Pulmonary Disease.....	23	8.7	7.3	-----	8.7	13.0	-----	13.0	17.7	-----
Transient Cerebral Ischemia.....	22	4.5	1.4	-----	4.5	3.4	-----	9.1	5.9	-----
Stroke.....	22	22.7	14.3	-----	27.3	20.7	-----	36.4	24.2	-----
Hip Fracture.....	0									
Sepsis.....	10	20.0	26.8	-----	30.0	36.0	-----	40.0	40.8	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	1.3	-----	0.0	3.0	-----	0.0	4.6	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	26	3.8	2.5	-----	3.8	4.3	-----	3.8	5.8	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CITY OF MILAN HOSPITAL

Medicare Provider Number: 440060

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.8 years	Cancer..... 6.6 %
Proportion female..... 63.1 %	Chronic cardiovascular disease..... 39.9 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.6 %
Referred by personal or HMO physician..... 98.5 %	Chronic renal disease..... 1.7 %
Transferred from skilled nursing facility..... 0.2 %	Chronic pulmonary disease..... 26.2 %
Admitted for elective procedure..... 17.9 %	Cerebrovascular degeneration..... 4.5 %
Admitted for emergency..... 51.2 %	Diabetes mellitus..... 7.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 80.3%	Hospital ..... 6.1 Days
State ..... 18.2%	State ..... 8.1 Days
Outside State ..... 1.5%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 72	Burn Unit ..... No
Occupancy Rate ..... 31.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Local Government	Comprehensive Geriatric ..... No
Medicare Discharges ..... 51.5 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.1409	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 9	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 66.7 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 23	Alcohol/Drug..... No
Licensed Practical Nurses..... 16	Rehabilitation..... No
	Psychiatric..... No
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# CLAIBORNE COUNTY HOSPITAL

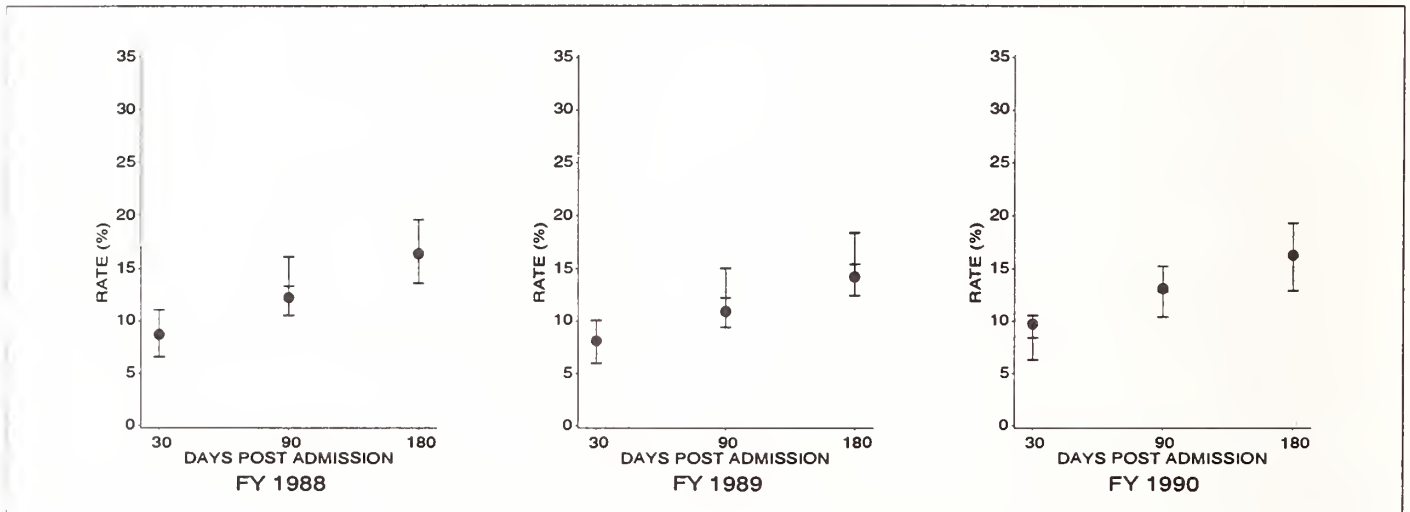
1000 OLD KNOXVILLE RD  
TAZEWELL, TN 37879  
Medicare Provider Number: 440057

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	817	9.7	8.4	1.1	13.1	12.8	1.2	16.3	16.1	1.6
CONDITIONS:										
Acute Myocardial Infarction.....	21	38.1	32.9	-----	38.1	36.2	-----	42.9	39.4	-----
Congestive Heart Failure.....	46	19.6	15.0	-----	28.3	24.3	-----	32.6	31.0	-----
Pneumonia/Influenza.....	67	16.4	13.2	5.2	17.9	18.5	5.7	22.4	21.8	5.9
Chronic Obstructive Pulmonary Disease.....	17	5.9	11.3	-----	11.8	20.0	-----	17.6	26.2	-----
Transient Cerebral Ischemia.....	19	0.0	1.3	-----	0.0	3.0	-----	0.0	4.9	-----
Stroke.....	33	18.2	17.3	-----	24.2	23.5	-----	24.2	27.2	-----
Hip Fracture.....	17	11.8	4.5	-----	11.8	8.2	-----	11.8	10.9	-----
Sepsis.....	5	0.0	31.1	-----	0.0	39.4	-----	0.0	43.6	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	6	0.0	3.5	-----	0.0	6.6	-----	0.0	9.2	-----
Open Reduction of Hip Fracture.....	10	20.0	4.4	-----	20.0	8.3	-----	20.0	11.0	-----
Prostatectomy.....	8	0.0	1.6	-----	0.0	4.1	-----	0.0	6.8	-----
Cholecystectomy.....	14	14.3	1.2	-----	14.3	2.1	-----	14.3	2.7	-----
Hysterectomy.....	1	0.0	0.2	-----	0.0	0.7	-----	0.0	1.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# CLAIBORNE COUNTY HOSPITAL

Medicare Provider Number: 440057

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 73.1 years	Cancer..... 3.5 %
Proportion female..... 55.6 %	Chronic cardiovascular disease..... 35.5 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 1.1 %
Referred by personal or HMO physician..... 44.1 %	Chronic renal disease..... 3.2 %
Transferred from skilled nursing facility..... 1.0 %	Chronic pulmonary disease..... 12.1 %
Admitted for elective procedure..... 2.4 %	Cerebrovascular degeneration..... 2.9 %
Admitted for emergency..... 11.6 %	Diabetes mellitus..... 7.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 74.2%	Hospital ..... 5.2 Days
State ..... 14.4%	State ..... 8.1 Days
Outside State ..... 11.4%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 115 Occupancy Rate ..... 78.0 % Ownership/Control..... Local Government Medicare Discharges .....(Not Available) Case Mix Index (CMI) ..... 0.9755	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... Yes Hospice Care ..... No Medical/Surgical Intensive Care ..... No Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 30 Percent of Physicians Board Certified Specialists ..... 20.0 % Medical Residents/Interns ..... 0 Registered Nurses..... 30 Licensed Practical Nurses ..... 32	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... Yes
** Except for CMI	

\* Not used in calculating mortality rates

# CLARKSVILLE MEMORIAL HOSPITAL

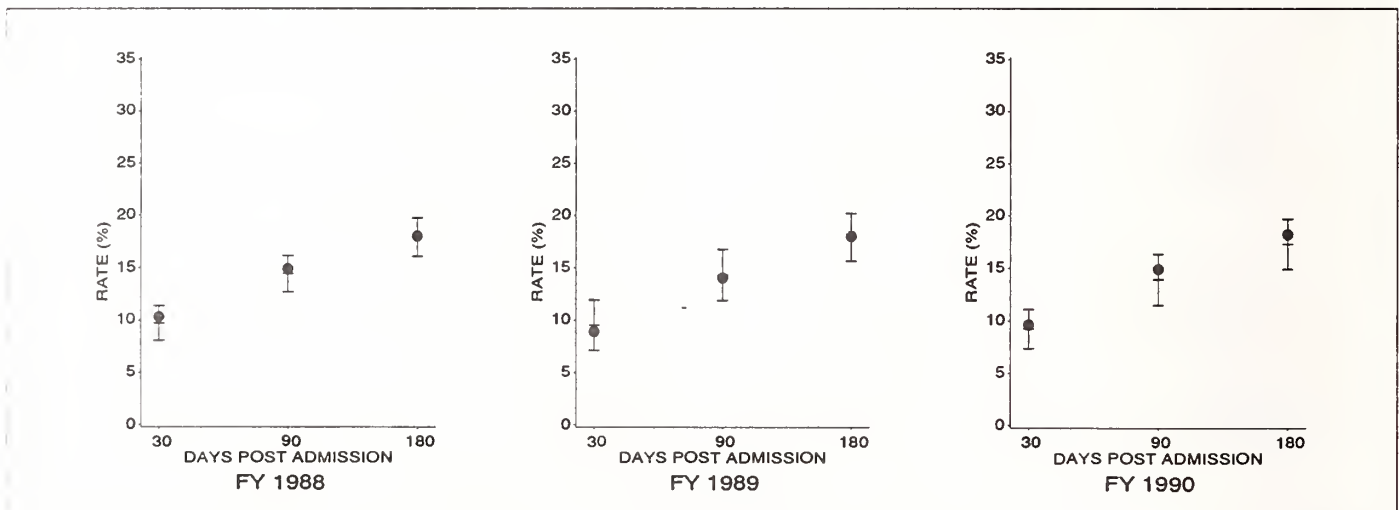
1771 MADISON ST  
CLARKSVILLE, TN 37040  
Medicare Provider Number: 440035

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1675	9.6	9.2	0.9	14.9	13.9	1.2	18.2	17.3	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	55	25.5	29.3	7.9	34.5	31.9	9.8	36.4	34.5	8.5
Congestive Heart Failure.....	67	7.5	13.5	7.3	16.4	21.4	9.3	22.4	27.3	10.1
Pneumonia/Influenza.....	91	12.1	14.8	4.7	18.7	20.4	4.3	18.7	23.9	5.3
Chronic Obstructive Pulmonary Disease.....	44	2.3	6.2	----	6.8	11.3	----	6.8	15.4	----
Transient Cerebral Ischemia.....	17	0.0	2.1	----	0.0	4.6	----	0.0	7.4	----
Stroke.....	100	21.0	18.8	4.5	27.0	25.4	4.6	30.0	29.2	4.7
Hip Fracture.....	68	10.3	6.5	4.8	16.2	11.2	5.8	16.2	14.4	4.9
Sepsis.....	36	27.8	26.2	----	33.3	34.7	----	41.7	39.2	----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	0.0	4.5	----	0.0	9.6	----	0.0	14.1	----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	32	3.1	3.5	----	9.4	6.2	----	9.4	8.2	----
Open Reduction of Hip Fracture.....	44	13.6	6.2	----	18.2	11.1	----	18.2	14.5	----
Prostatectomy.....	94	0.0	0.7	1.3	1.1	1.6	1.9	3.2	2.8	2.3
Cholecystectomy.....	58	1.7	2.3	2.7	1.7	4.5	4.4	1.7	6.2	5.5
Hysterectomy.....	16	0.0	0.3	----	0.0	0.6	----	0.0	0.9	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CLARKSVILLE MEMORIAL HOSPITAL

Medicare Provider Number: 440035

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.1 years  
 Proportion female..... 55.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 31.0 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 27.4 %  
 Admitted for emergency..... 59.9 %

### COMORBIDITIES:

Cancer..... 7.6 %  
 Chronic cardiovascular disease..... 26.9 %  
 Chronic liver disease..... 1.0 %  
 Chronic renal disease..... 2.3 %  
 Chronic pulmonary disease..... 11.9 %  
 Cerebrovascular degeneration..... 4.1 %  
 Diabetes mellitus..... 13.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 73.4%  
 State ..... 19.7%  
 Outside State ..... 6.9%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.7 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 188  
 Occupancy Rate ..... 58.0 %  
 Ownership/Control..... District/Authority  
 Medicare Discharges ..... 32.3 %  
 Case Mix Index (CMI) ..... 1.1629

### STAFFING:

Total Number of Physicians..... 78  
 Percent of Physicians Board Certified Specialists..... 79.5 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 179  
 Licensed Practical Nurses ..... 157

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... Yes  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... Yes  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... No  
 Psychiatric ..... Yes  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CLAY COUNTY HOSPITAL

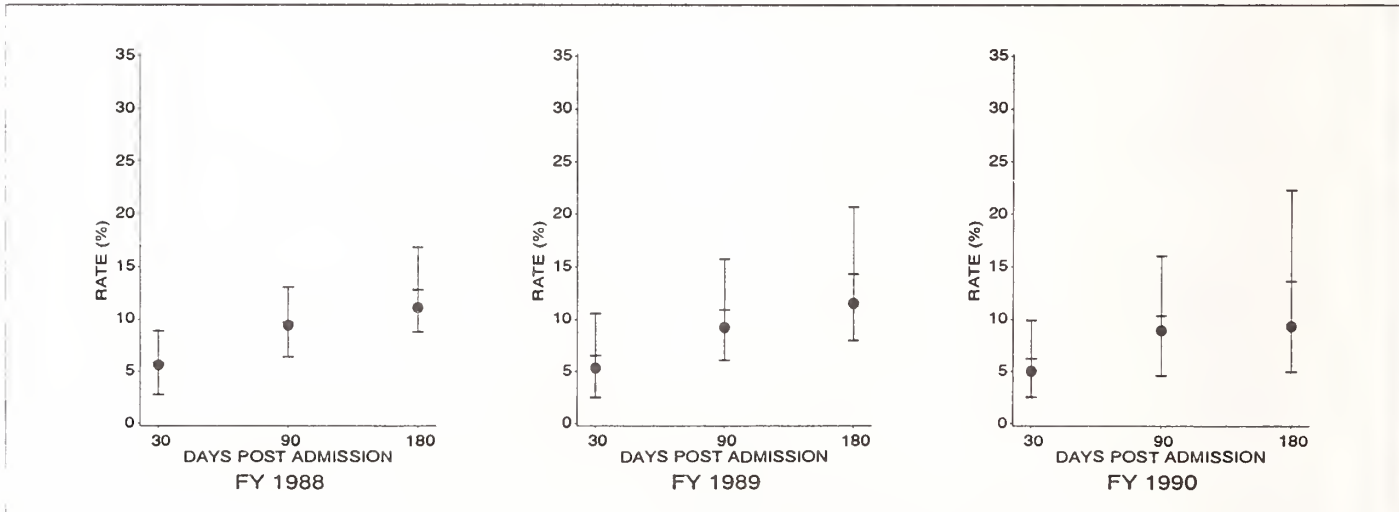
MCARTHUR ST  
CELINA, TN 38551  
Medicare Provider Number: 440141

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	259	5.0	6.2	1.8	8.9	10.3	2.9	9.3	13.6	4.3
CONDITIONS:										
Acute Myocardial Infarction.....	5	20.0	24.9	-----	20.0	27.6	-----	20.0	29.9	-----
Congestive Heart Failure.....	8	12.5	13.9	-----	25.0	23.2	-----	25.0	29.9	-----
Pneumonia/Influenza.....	22	4.5	13.4	-----	9.1	18.6	-----	9.1	22.1	-----
Chronic Obstructive Pulmonary Disease.....	20	0.0	3.2	-----	0.0	6.5	-----	0.0	9.4	-----
Transient Cerebral Ischemia.....	9	11.1	3.6	-----	11.1	8.3	-----	11.1	13.3	-----
Stroke.....	2	0.0	14.9	-----	50.0	23.7	-----	50.0	27.7	-----
Hip Fracture.....	0									
Sepsis.....	1	100.0	31.7	-----	100.0	39.3	-----	100.0	46.7	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# CLAY COUNTY HOSPITAL

Medicare Provider Number: 440141

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.1 years	Cancer..... 3.5 %
Proportion female..... 54.4 %	Chronic cardiovascular disease..... 40.9 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.0 %
Referred by personal or HMO physician..... 62.5 %	Chronic renal disease..... 2.3 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 22.4 %
Admitted for elective procedure..... 3.1 %	Cerebrovascular degeneration..... 0.8 %
Admitted for emergency..... 4.6 %	Diabetes mellitus..... 5.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 83.7%	Hospital ..... 5.5 Days
State ..... 14.1%	State ..... 8.1 Days
Outside State ..... 2.2%	National ..... 8.6 Days
<b>Total ..... 100.0%</b>	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 36	Burn Unit ..... No
Occupancy Rate ..... 44.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 46.4 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 0.8999	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 4	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists .....(Not Available)	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 14	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 15	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# CLEVELAND COMMUNITY HOSPITAL

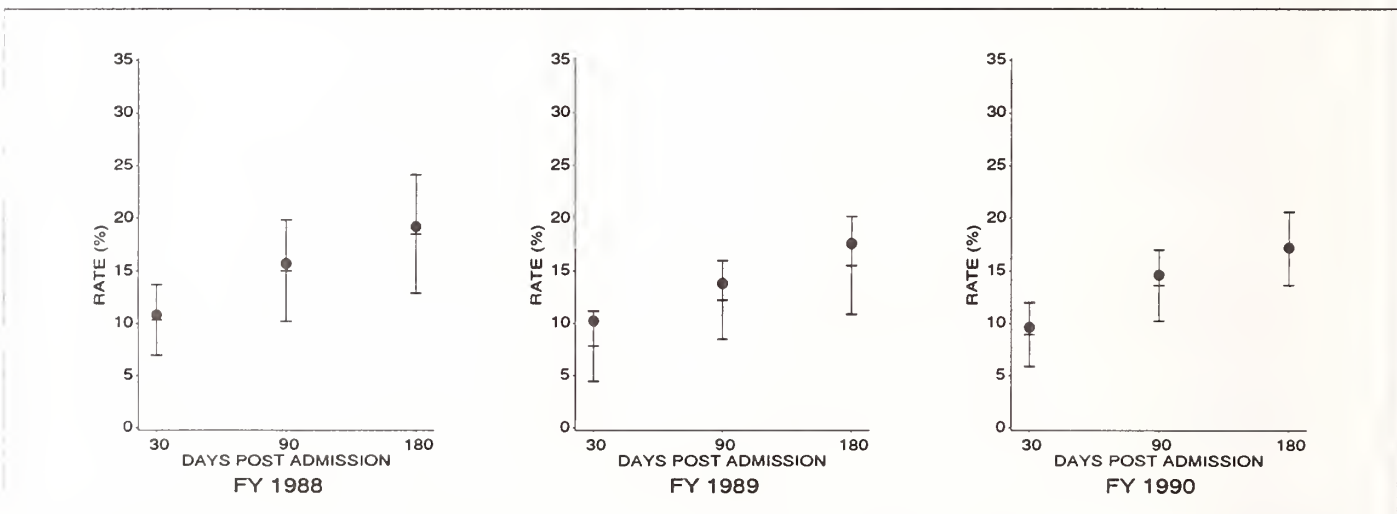
2800 WEST SIDE DR NW  
CLEVELAND, TN 37311  
Medicare Provider Number: 440185

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	478	9.6	8.9	1.5	14.6	13.6	1.7	17.2	17.1	1.7
CONDITIONS:										
Acute Myocardial Infarction.....	12	33.3	21.6	----	33.3	24.3	----	33.3	26.8	----
Congestive Heart Failure.....	22	9.1	14.3	----	13.6	23.8	----	18.2	30.8	----
Pneumonia/Influenza.....	23	30.4	18.5	----	39.1	25.8	----	43.5	30.6	----
Chronic Obstructive Pulmonary Disease.....	13	7.7	4.9	----	38.5	10.0	----	46.2	14.0	----
Transient Cerebral Ischemia.....	7	0.0	1.9	----	0.0	4.3	----	0.0	7.2	----
Stroke.....	6	33.3	25.2	----	33.3	32.2	----	33.3	36.0	----
Hip Fracture.....	8	0.0	8.9	----	25.0	15.5	----	37.5	19.5	----
Sepsis.....	3	66.7	23.5	----	66.7	28.1	----	66.7	31.5	----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	0.0	1.6	----	0.0	3.1	----	0.0	4.8	----
Carotid Endarterectomy.....	3	0.0	1.0	----	0.0	1.8	----	0.0	2.5	----
Hip Replacement/Reconstruction.....	5	0.0	9.3	----	40.0	16.1	----	40.0	20.1	----
Open Reduction of Hip Fracture.....	4	0.0	3.6	----	0.0	7.1	----	0.0	9.8	----
Prostatectomy.....	21	0.0	0.5	----	0.0	1.3	----	0.0	2.3	----
Cholecystectomy.....	11	9.1	1.8	----	9.1	3.3	----	9.1	4.3	----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CLEVELAND COMMUNITY HOSPITAL

Medicare Provider Number: 440185

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 72.9 years	Cancer..... 5.6 %
Proportion female..... 55.7 %	Chronic cardiovascular disease..... 42.0 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 1.7 %
Referred by personal or HMO physician..... 48.2 %	Chronic renal disease..... 2.7 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 17.1 %
Admitted for elective procedure..... 10.0 %	Cerebrovascular degeneration..... 6.5 %
Admitted for emergency..... 44.5 %	Diabetes mellitus..... 19.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 70.6%	Hospital ..... 5.7 Days
State ..... 24.6%	State ..... 8.1 Days
Outside State ..... 4.8%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 70 Occupancy Rate ..... 58.0 % Ownership/Control..... Private, For Profit Medicare Discharges .....(Not Available) Case Mix Index (CMI) ..... 1.1160	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... (Not Available) Percent of Physicians Board Certified Specialists .....(Not Available) Medical Residents/Interns ..... (Not Available) Registered Nurses..... (Not Available) Licensed Practical Nurses ..... (Not Available)	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... Yes Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# COCKE COUNTY BAPTIST HOSPITAL INC

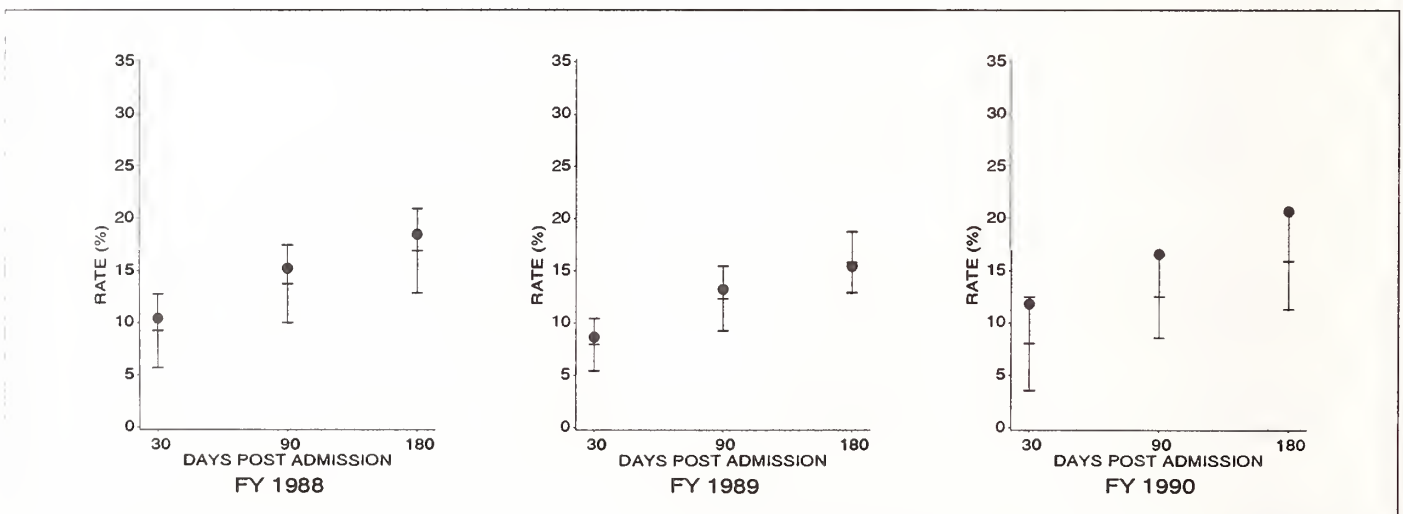
702-710 2ND ST  
NEWPORT, TN 37821  
Medicare Provider Number: 440153

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	608	11.8	8.0	2.2	16.6	12.5	2.0	20.7	15.9	2.3
CONDITIONS:										
Acute Myocardial Infarction.....	16	37.5	35.3	----	50.0	40.0	----	50.0	44.4	----
Congestive Heart Failure.....	47	17.0	13.1	----	21.3	21.0	----	27.7	26.9	----
Pneumonia/Influenza.....	59	15.3	12.0	5.8	25.4	16.9	8.3	30.5	20.2	9.0
Chronic Obstructive Pulmonary Disease.....	15	0.0	4.7	----	0.0	9.1	----	6.7	12.8	----
Transient Cerebral Ischemia.....	11	9.1	1.8	----	9.1	4.2	----	18.2	7.1	----
Stroke.....	27	25.9	17.4	----	37.0	24.3	----	37.0	28.5	----
Hip Fracture.....	5	20.0	9.8	----	20.0	17.4	----	40.0	21.4	----
Sepsis.....	2	100.0	31.8	----	100.0	36.5	----	100.0	39.6	----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	3	0.0	6.8	----	0.0	12.5	----	33.3	15.8	----
Open Reduction of Hip Fracture.....	2	50.0	11.1	----	50.0	20.6	----	50.0	25.8	----
Prostatectomy.....	0									
Cholecystectomy.....	5	0.0	2.0	----	0.0	4.2	----	20.0	6.3	----
Hysterectomy.....	1	0.0	0.1	----	0.0	0.1	----	0.0	0.3	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# COCKE COUNTY BAPTIST HOSPITAL INC

Medicare Provider Number: 440153

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.0 years	Cancer..... 4.1 %
Proportion female..... 59.9 %	Chronic cardiovascular disease..... 36.6 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.7 %
Referred by personal or HMO physician..... 43.5 %	Chronic renal disease..... 2.6 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 19.7 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 3.9 %
Admitted for emergency..... 0.0 %	Diabetes mellitus..... 9.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 84.3%	Hospital ..... 6.0 Days
State ..... 12.2%	State ..... 8.1 Days
Outside State ..... 3.5%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 105	Burn Unit ..... No
Occupancy Rate ..... 86.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Church	Comprehensive Geriatric ..... No
Medicare Discharges ..... 39.3 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 0.9515	Medical/Surgical Intensive Care ..... No
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 22	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 100.0 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 45	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 27	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# COFFEE MEDICAL CENTER

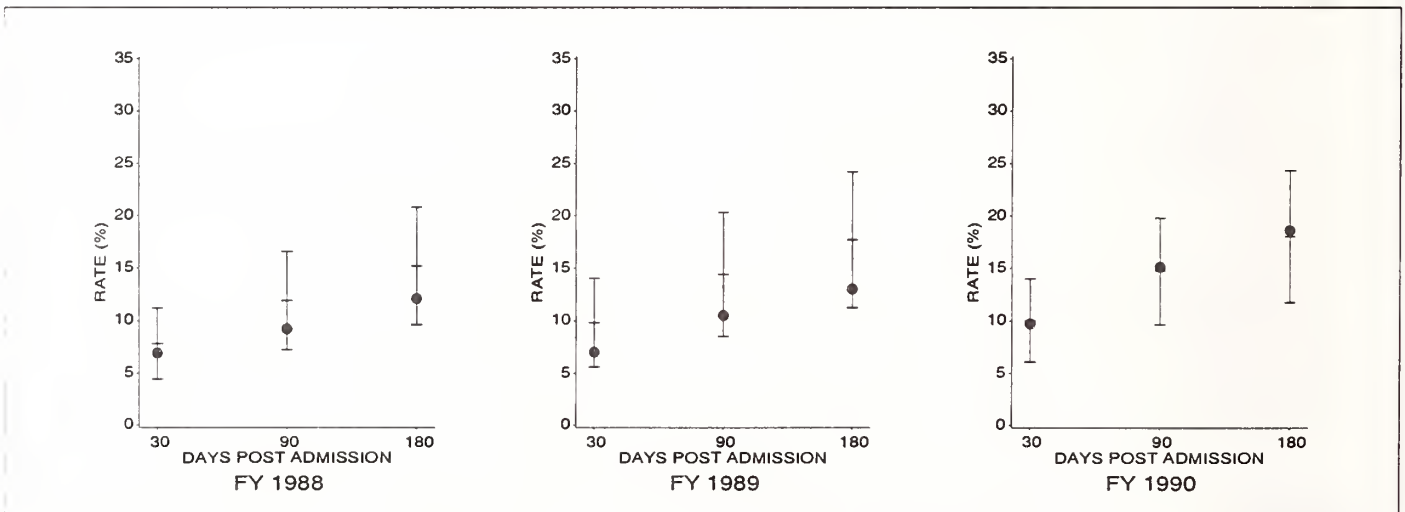
1001 MCARTHUR DR  
MANCHESTER, TN 37355  
Medicare Provider Number: 440007

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	279	9.7	10.0	2.0	15.1	14.7	2.5	18.6	18.0	3.2
CONDITIONS:										
Acute Myocardial Infarction.....	11	27.3	32.0	-----	27.3	37.8	-----	27.3	41.6	-----
Congestive Heart Failure.....	16	6.3	13.6	-----	12.5	22.0	-----	25.0	27.8	-----
Pneumonia/Influenza.....	41	14.6	13.9	-----	24.4	19.0	-----	29.3	22.3	-----
Chronic Obstructive Pulmonary Disease.....	6	0.0	4.7	-----	0.0	8.3	-----	0.0	11.5	-----
Transient Cerebral Ischemia.....	2	0.0	1.3	-----	0.0	2.8	-----	50.0	4.2	-----
Stroke.....	19	26.3	19.6	-----	26.3	27.2	-----	36.8	31.5	-----
Hip Fracture.....	10	0.0	6.4	-----	20.0	11.5	-----	20.0	15.6	-----
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	6.3	-----	25.0	12.2	-----	50.0	17.2	-----
Open Reduction of Hip Fracture.....	6	0.0	7.1	-----	16.7	13.6	-----	16.7	18.7	-----
Prostatectomy.....	4	0.0	0.6	-----	0.0	1.6	-----	0.0	2.8	-----
Cholecystectomy.....	2	0.0	2.0	-----	0.0	4.4	-----	0.0	6.2	-----
Hysterectomy.....	1	0.0	0.1	-----	0.0	0.1	-----	0.0	0.1	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**COFFEE MEDICAL CENTER**  
 Medicare Provider Number: 440007

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	75.9 years	Cancer.....	5.7 %
Proportion female.....	56.3 %	Chronic cardiovascular disease.....	28.7 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	1.1 %
Referred by personal or HMO physician.....	30.1 %	Chronic renal disease.....	2.5 %
Transferred from skilled nursing facility.....	1.8 %	Chronic pulmonary disease.....	15.4 %
Admitted for elective procedure.....	0.0 %	Cerebrovascular degeneration.....	1.4 %
Admitted for emergency.....	51.3 %	Diabetes mellitus.....	5.7 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City.....	79.5%	Hospital .....	5.7 Days
State .....	19.2%	State .....	8.1 Days
Outside State .....	1.3%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:		
Total Beds .....	112	Burn Unit .....	No
Occupancy Rate .....	75.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	District/Authority	Comprehensive Geriatric .....	No
Medicare Discharges .....	54.4 %	Hospice Care .....	No
Case Mix Index (CMI) .....	1.0072	Medical/Surgical Intensive Care .....	No
STAFFING:		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	6	Other Intensive Care .....	No
Percent of Physicians Board		Trauma Center .....	No
Certified Specialists.....	83.3 %	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Medical Residents/Interns .....	0	Alcohol/Drug.....	No
Registered Nurses.....	11	Rehabilitation.....	No
Licensed Practical Nurses .....	11	Psychiatric .....	No
		Medicare Swing Beds .....	Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# COOKVILLE GENERAL HOSPITAL

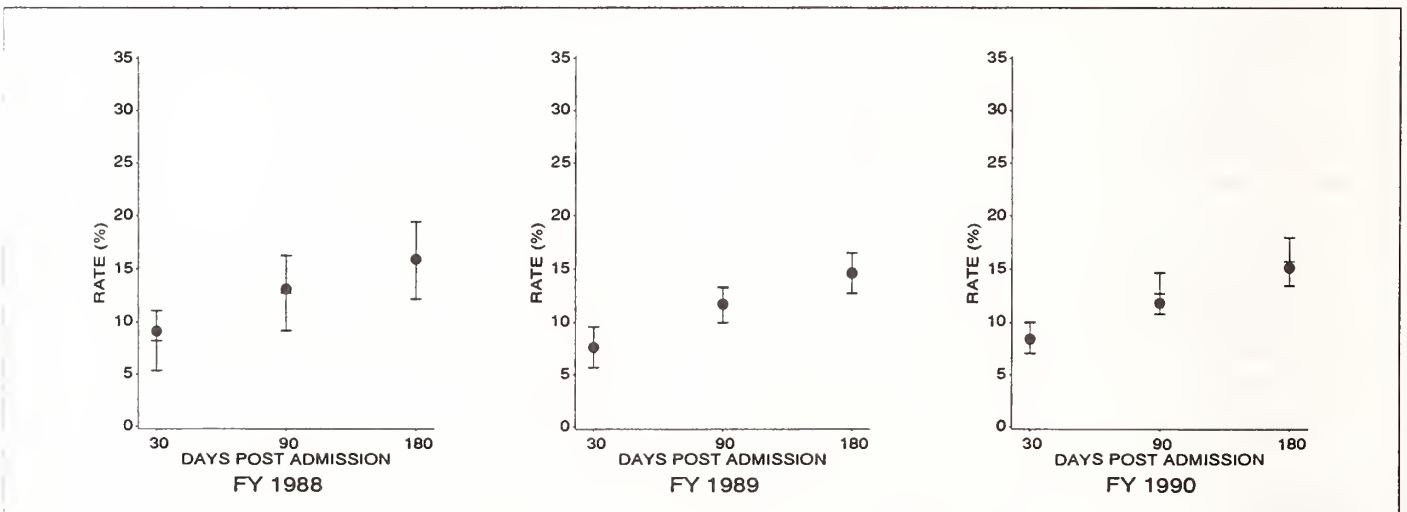
142 W 5TH ST  
 COOKEVILLE, TN 38501  
 Medicare Provider Number: 440059

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1437	8.4	8.5	0.7	11.8	12.7	1.0	15.1	15.7	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	32	25.0	34.3	-----	25.0	37.4	-----	25.0	40.4	-----
Congestive Heart Failure.....	86	18.6	14.7	7.8	29.1	23.1	8.8	37.2	29.0	9.4
Pneumonia/Influenza.....	93	10.8	16.8	6.0	15.1	22.7	6.4	20.4	26.2	7.0
Chronic Obstructive Pulmonary Disease.....	34	2.9	6.2	-----	2.9	11.8	-----	8.8	16.4	-----
Transient Cerebral Ischemia.....	29	0.0	1.5	-----	0.0	3.3	-----	0.0	5.4	-----
Stroke.....	47	21.3	20.3	-----	27.7	27.7	-----	27.7	31.6	-----
Hip Fracture.....	92	4.3	6.2	3.1	7.6	10.9	4.8	10.9	14.2	6.0
Sepsis.....	8	37.5	35.0	-----	37.5	41.1	-----	37.5	44.9	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	58	5.2	4.4	4.8	10.3	8.1	5.6	13.8	10.8	5.1
Open Reduction of Hip Fracture.....	11	9.1	6.2	-----	9.1	11.6	-----	9.1	15.1	-----
Prostatectomy.....	94	2.1	0.8	1.3	4.3	1.9	2.2	5.3	3.2	2.5
Cholecystectomy.....	29	10.3	1.6	-----	10.3	2.9	-----	10.3	4.0	-----
Hysterectomy.....	9	0.0	0.1	-----	0.0	0.3	-----	0.0	0.5	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# COOKVILLE GENERAL HOSPITAL

Medicare Provider Number: 440059

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.5 years  
 Proportion female..... 53.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 35.2 %  
 Transferred from skilled nursing facility..... 1.5 %  
 Admitted for elective procedure..... 18.9 %  
 Admitted for emergency..... 66.9 %

### COMORBIDITIES:

Cancer..... 5.1 %  
 Chronic cardiovascular disease..... 28.7 %  
 Chronic liver disease..... 0.7 %  
 Chronic renal disease..... 3.1 %  
 Chronic pulmonary disease..... 12.1 %  
 Cerebrovascular degeneration..... 5.2 %  
 Diabetes mellitus..... 3.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 66.4%  
 State ..... 31.4%  
 Outside State ..... 2.2%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.4 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 169  
 Occupancy Rate ..... 52.0 %  
 Ownership/Control..... Local Government  
 Medicare Discharges ..... 37.0 %  
 Case Mix Index (CMI) ..... 1.0823

### STAFFING:

Total Number of Physicians..... 61  
 Percent of Physicians Board Certified Specialists ..... 73.8 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 93  
 Licensed Practical Nurses ..... 84

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
 Rehabilitation..... No  
 Psychiatric ..... Yes  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# COPPER BASIN MEDICAL CENTER

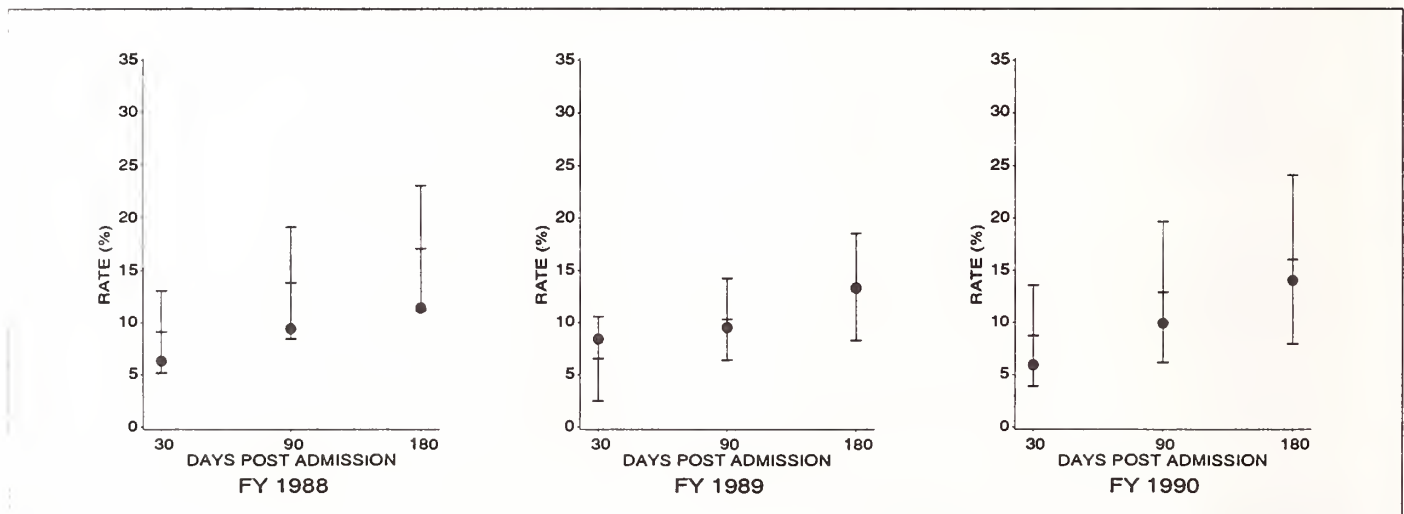
HWY 68, BOX X  
COPPERHILL, TN 37317  
Medicare Provider Number: 440041

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	222	5.9	8.7	2.4	9.9	12.9	3.4	14.0	16.0	4.0
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	32.9	-----	0.0	41.1	-----	0.0	45.6	-----
Congestive Heart Failure.....	7	0.0	11.6	-----	14.3	18.0	-----	14.3	23.4	-----
Pneumonia/Influenza.....	11	0.0	15.7	-----	0.0	20.4	-----	9.1	23.6	-----
Chronic Obstructive Pulmonary Disease.....	7	0.0	4.1	-----	14.3	8.0	-----	14.3	11.3	-----
Transient Cerebral Ischemia.....	5	0.0	2.2	-----	0.0	4.9	-----	0.0	8.0	-----
Stroke.....	9	22.2	24.0	-----	44.4	32.9	-----	44.4	37.5	-----
Hip Fracture.....	1	0.0	2.8	-----	0.0	5.1	-----	0.0	6.9	-----
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	0.6	-----	0.0	1.1	-----	0.0	1.6	-----
Hysterectomy.....	1	0.0	0.0	-----	0.0	0.1	-----	0.0	0.1	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COPPER BASIN MEDICAL CENTER

Medicare Provider Number: 440041

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 70.5 years	Cancer..... 6.3 %
Proportion female..... 53.6 %	Chronic cardiovascular disease..... 32.9 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 1.4 %
Referred by personal or HMO physician..... 27.9 %	Chronic renal disease..... 2.7 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 21.2 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 2.7 %
Admitted for emergency..... 99.1 %	Diabetes mellitus..... 9.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 51.9%	Hospital ..... 4.6 Days
State ..... 7.1%	State ..... 8.1 Days
Outside State ..... 41.0%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> Health Care Financing Administration (OSCAR)** - Survey Year 1991	
<b>PROFILE:</b> Total Beds ..... 44 Ownership/Control..... Private, Non-Profit Case Mix Index (CMI) ..... 0.8907	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Coronary Care Unit ..... No Hospice Care ..... No Intensive Care Unit ..... Yes Organ Transplant ..... No Trauma Center ..... No
<b>STAFFING:</b> Medical Residents/Interns ..... 0 Registered Nurses ..... 15 Licensed Practical Nurses ..... 15	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CROCKETT GENERAL HOSPITAL

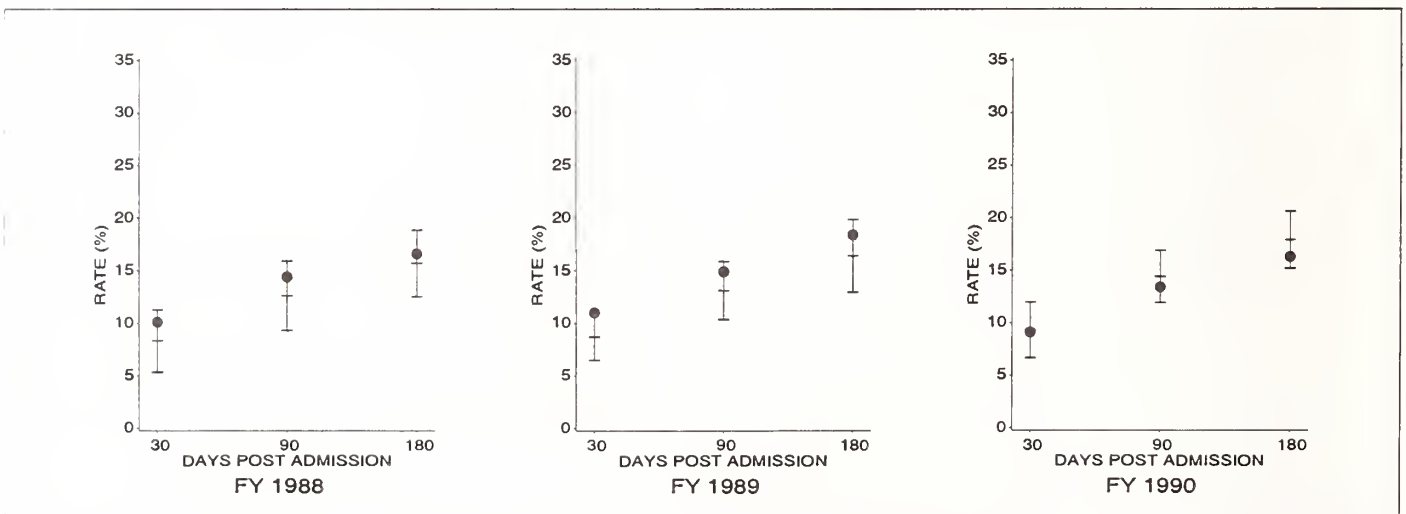
HWY 43 S, BOX 726  
LAWRENCEBURG, TN 38464  
Medicare Provider Number: 440175

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	950	9.1	9.3	1.3	13.4	14.4	1.2	16.3	17.9	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	24	41.7	25.2	-----	41.7	28.1	-----	45.8	30.4	-----
Congestive Heart Failure.....	67	17.9	14.1	5.4	20.9	22.3	5.7	32.8	28.5	6.7
Pneumonia/Influenza.....	38	10.5	18.0	-----	18.4	24.5	-----	21.1	28.2	-----
Chronic Obstructive Pulmonary Disease.....	40	2.5	5.3	-----	10.0	10.0	-----	15.0	14.0	-----
Transient Cerebral Ischemia.....	16	0.0	2.6	-----	0.0	5.8	-----	6.3	9.1	-----
Stroke.....	33	24.2	18.8	-----	39.4	25.1	-----	39.4	29.3	-----
Hip Fracture.....	20	0.0	7.1	-----	5.0	12.0	-----	5.0	15.2	-----
Sepsis.....	9	11.1	18.8	-----	22.2	27.5	-----	33.3	32.3	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	5	0.0	7.8	-----	20.0	13.8	-----	20.0	18.0	-----
Open Reduction of Hip Fracture.....	12	0.0	5.8	-----	0.0	10.1	-----	0.0	12.8	-----
Prostatectomy.....	3	0.0	1.6	-----	0.0	3.4	-----	0.0	5.7	-----
Cholecystectomy.....	17	0.0	1.2	-----	0.0	2.1	-----	0.0	2.7	-----
Hysterectomy.....	7	0.0	0.2	-----	0.0	0.5	-----	0.0	0.9	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# CROCKETT GENERAL HOSPITAL

Medicare Provider Number: 440175

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.0 years	Cancer..... 5.2 %
Proportion female..... 58.4 %	Chronic cardiovascular disease..... 39.7 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.3 %
Referred by personal or HMO physician..... 40.6 %	Chronic renal disease..... 1.8 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 25.7 %
Admitted for elective procedure..... 6.9 %	Cerebrovascular degeneration..... 1.7 %
Admitted for emergency..... 19.8 %	Diabetes mellitus..... 12.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 91.4%	Hospital ..... 6.0 Days
State ..... 5.9%	State ..... 8.1 Days
Outside State ..... 2.7%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 97	Burn Unit ..... No
Occupancy Rate ..... 49.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 38.0 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.1066	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 19	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 78.9 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 55	Alcohol/Drug..... No
Licensed Practical Nurses ..... 37	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CUMBERLAND MEDICAL CENTER

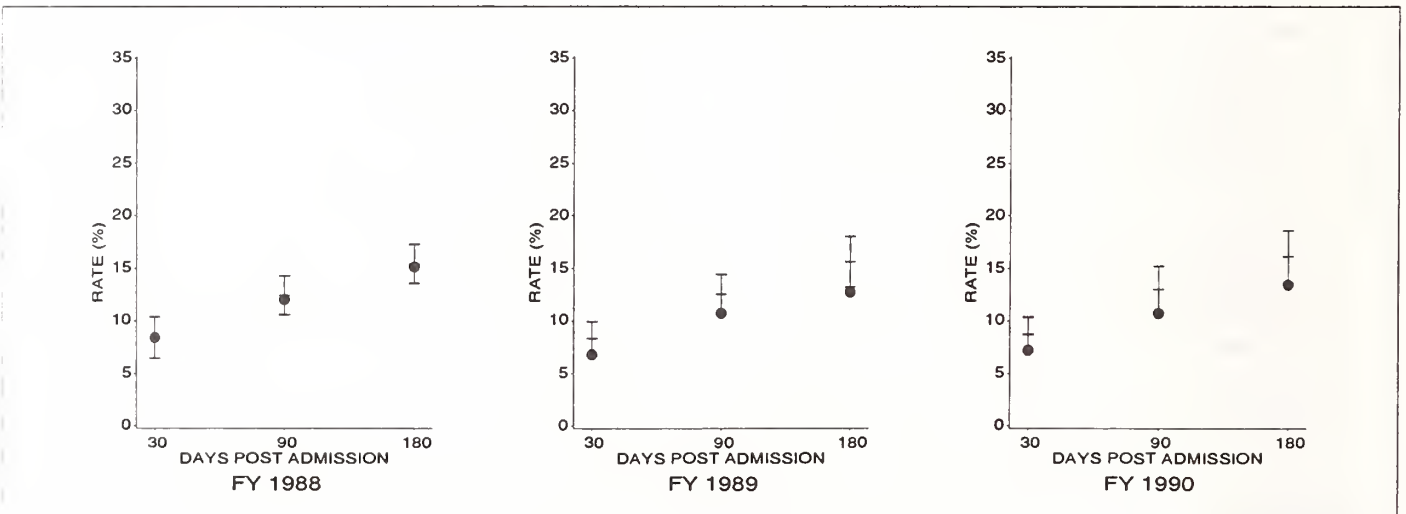
811 S MAIN ST  
CROSSVILLE, TN 38555  
Medicare Provider Number: 440009

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1657	7.2	8.7	0.8	10.7	13.0	1.1	13.4	16.1	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	59	27.1	26.0	6.1	28.8	28.7	5.9	30.5	31.2	6.1
Congestive Heart Failure.....	96	15.6	14.9	3.7	18.8	23.8	5.2	24.0	30.2	5.9
Pneumonia/Influenza.....	126	9.5	15.8	5.4	15.9	21.4	7.2	19.8	25.0	6.8
Chronic Obstructive Pulmonary Disease.....	53	5.7	5.8	3.2	9.4	10.8	5.6	15.1	14.8	5.7
Transient Cerebral Ischemia.....	22	0.0	1.6	-----	0.0	3.6	-----	0.0	6.0	-----
Stroke.....	59	11.9	19.1	7.8	23.7	25.3	6.0	28.8	29.1	6.5
Hip Fracture.....	11	0.0	5.4	-----	0.0	9.7	-----	9.1	12.9	-----
Sepsis.....	9	0.0	32.4	-----	11.1	42.2	-----	44.4	47.2	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	9	0.0	8.8	-----	11.1	14.5	-----	22.2	18.2	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	3.0	-----	0.0	5.6	-----	0.0	8.0	-----
Open Reduction of Hip Fracture.....	6	0.0	3.6	-----	0.0	6.7	-----	0.0	9.4	-----
Prostatectomy.....	29	0.0	0.5	-----	0.0	1.2	-----	0.0	2.1	-----
Cholecystectomy.....	32	0.0	1.8	-----	0.0	3.1	-----	0.0	4.0	-----
Hysterectomy.....	16	0.0	0.7	-----	0.0	1.3	-----	0.0	1.9	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# CUMBERLAND MEDICAL CENTER

Medicare Provider Number: 440009

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 73.7 years	Cancer..... 4.9 %
Proportion female..... 55.2 %	Chronic cardiovascular disease..... 33.7 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.5 %
Referred by personal or HMO physician..... 32.8 %	Chronic renal disease..... 2.2 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 21.7 %
Admitted for elective procedure..... 8.9 %	Cerebrovascular degeneration..... 2.9 %
Admitted for emergency..... 90.4 %	Diabetes mellitus..... 7.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 68.9%	Hospital ..... 6.8 Days
State ..... 28.4%	State ..... 8.1 Days
Outside State ..... 2.7%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 184 Occupancy Rate ..... 52.0 % Ownership Control..... Private, Non-Profit Medicare Discharges ..... 40.3 % Case Mix Index (CMI) ..... 1.0336	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 37 Percent of Physicians Board Certified Specialists ..... 67.6 % Medical Residents/Interns ..... 0 Registered Nurses..... 59 Licensed Practical Nurses..... 93	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# DECATUR COUNTY GENERAL HOSPITAL

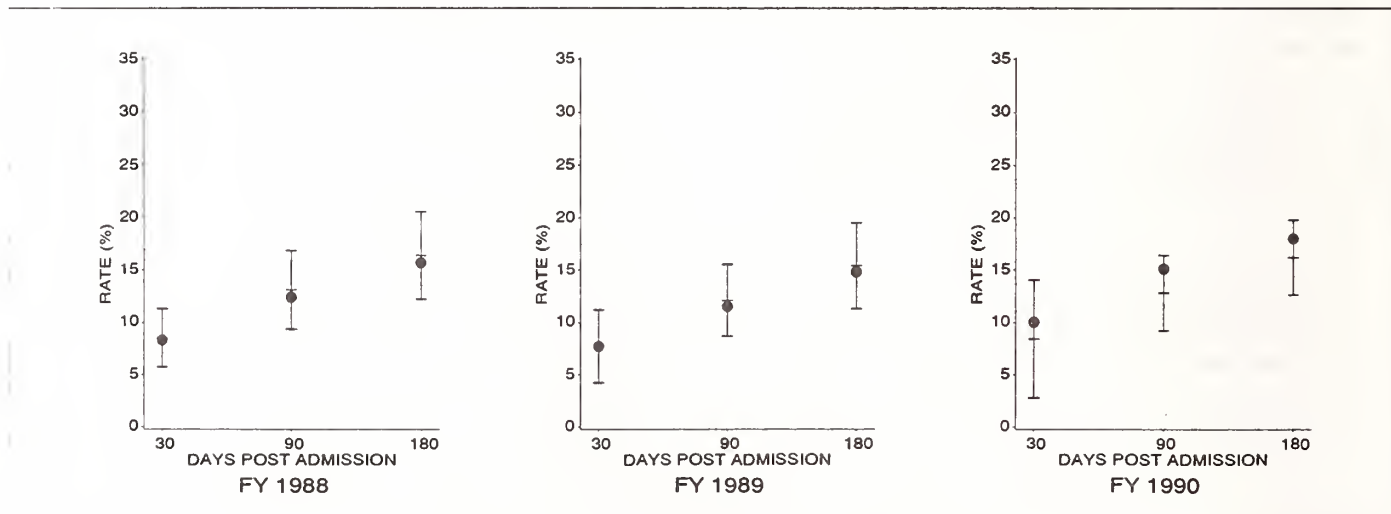
1200 TENNESSEE ST, BOX 249  
PARSONS, TN 38363  
Medicare Provider Number: 440070

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	451	10.0	8.4	2.8	15.1	12.8	1.8	18.0	16.2	1.8
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	17	35.3	25.4	-----	35.3	28.7	-----	35.3	32.8	-----
Congestive Heart Failure.....	24	16.7	12.1	-----	25.0	20.3	-----	29.2	27.2	-----
Pneumonia/Influenza.....	51	23.5	15.1	9.2	31.4	20.7	8.4	31.4	24.2	9.0
Chronic Obstructive Pulmonary Disease.....	13	0.0	6.9	-----	7.7	12.4	-----	7.7	16.5	-----
Transient Cerebral Ischemia.....	7	0.0	1.5	-----	0.0	3.7	-----	14.3	6.5	-----
Stroke.....	19	26.3	16.9	-----	36.8	24.4	-----	42.1	28.9	-----
Hip Fracture.....	5	0.0	3.8	-----	0.0	6.5	-----	0.0	9.0	-----
Sepsis.....	3	33.3	28.4	-----	33.3	33.2	-----	33.3	36.2	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	3	0.0	3.6	-----	0.0	6.5	-----	0.0	9.4	-----
Prostatectomy.....	0									
Cholecystectomy.....	4	0.0	2.6	-----	25.0	4.5	-----	25.0	6.1	-----
Hysterectomy.....	2	0.0	0.1	-----	0.0	0.1	-----	0.0	0.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# DECATUR COUNTY GENERAL HOSPITAL

Medicare Provider Number: 440070

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.1 years	Cancer..... 4.7 %
Proportion female..... 57.4 %	Chronic cardiovascular disease..... 24.4 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.4 %
Referred by personal or HMO physician..... 97.1 %	Chronic renal disease..... 1.6 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 8.4 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 3.3 %
Admitted for emergency..... 1.8 %	Diabetes mellitus..... 8.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 76.3%	Hospital ..... 5.7 Days
State ..... 20.8%	State ..... 8.1 Days
Outside State ..... 2.9%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 40	Burn Unit ..... No
Occupancy Rate ..... 55.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Local Government	Comprehensive Geriatric ..... No
Medicare Discharges ..... 62.9 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 0.9123	Medical/Surgical Intensive Care..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 8	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 62.5 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 19	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 7	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# DEKALB GENERAL HOSPITAL

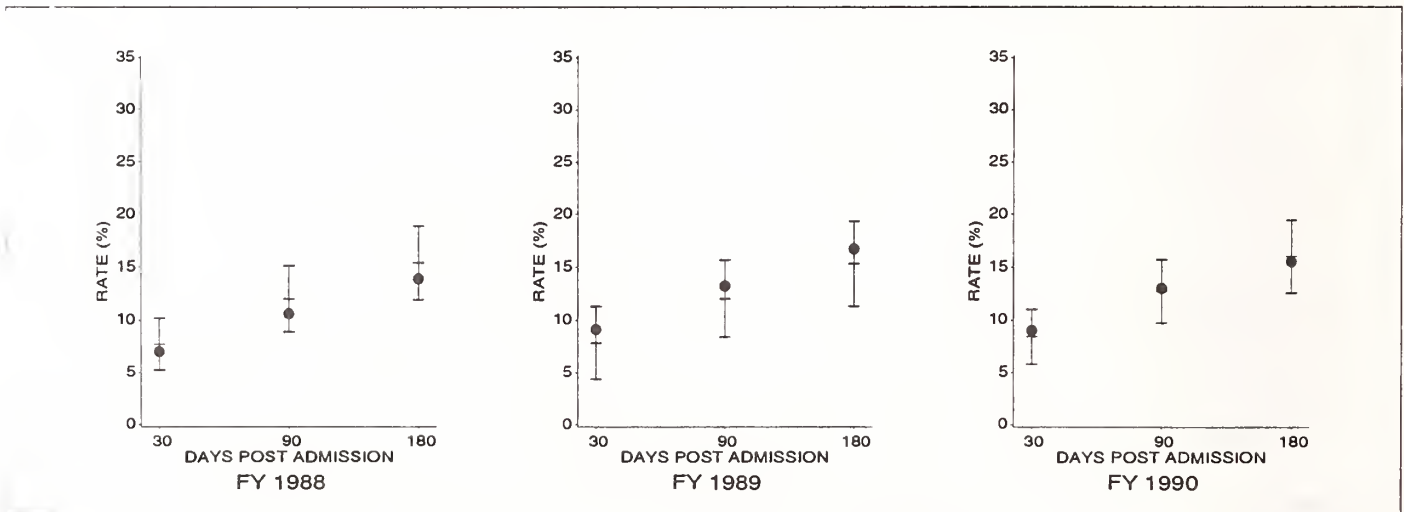
PO BOX 640  
SMITHVILLE, TN 37166  
Medicare Provider Number: 440148

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	579	9.0	8.4	1.3	13.0	12.7	1.5	15.5	16.0	1.7
CONDITIONS:										
Acute Myocardial Infarction.....	19	15.8	25.2	-----	15.8	27.8	-----	15.8	30.6	-----
Congestive Heart Failure.....	26	11.5	12.2	-----	23.1	20.0	-----	23.1	25.7	-----
Pneumonia/Influenza.....	69	15.9	13.2	5.2	17.4	18.5	5.4	20.3	22.3	5.3
Chronic Obstructive Pulmonary Disease.....	21	9.5	4.0	-----	9.5	7.7	-----	19.0	11.3	-----
Transient Cerebral Ischemia.....	19	0.0	1.0	-----	0.0	2.4	-----	0.0	4.0	-----
Stroke.....	24	16.7	16.5	-----	20.8	21.8	-----	29.2	25.5	-----
Hip Fracture.....	7	0.0	5.1	-----	0.0	10.0	-----	0.0	14.8	-----
Sepsis.....	10	10.0	18.0	-----	20.0	27.2	-----	30.0	31.7	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	1.4	-----	0.0	3.3	-----	50.0	5.2	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	3	0.0	8.2	-----	0.0	16.6	-----	0.0	24.6	-----
Open Reduction of Hip Fracture.....	2	0.0	1.9	-----	0.0	3.6	-----	0.0	5.5	-----
Prostatectomy.....	17	0.0	1.0	-----	0.0	2.6	-----	5.9	4.5	-----
Cholecystectomy.....	11	9.1	1.2	-----	9.1	2.1	-----	9.1	2.7	-----
Hysterectomy.....	4	0.0	0.2	-----	0.0	0.4	-----	0.0	0.8	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DEKALB GENERAL HOSPITAL

Medicare Provider Number: 440148

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 73.7 years	Cancer..... 5.7 %
Proportion female..... 53.9 %	Chronic cardiovascular disease..... 34.0 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 1.0 %
Referred by personal or HMO physician..... 65.1 %	Chronic renal disease..... 5.0 %
Transferred from skilled nursing facility..... 0.2 %	Chronic pulmonary disease..... 17.6 %
Admitted for elective procedure..... 63.6 %	Cerebrovascular degeneration..... 3.1 %
Admitted for emergency..... 33.7 %	Diabetes mellitus..... 8.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 69.1%	Hospital ..... 5.2 Days
State ..... 30.3%	State ..... 8.1 Days
Outside State ..... 0.6%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 56	Burn Unit ..... No
Occupancy Rate ..... 53.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 41.9 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.0610	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 8	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 50.0 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 14	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 24	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# DOWNTOWN GENERAL HOSPITAL

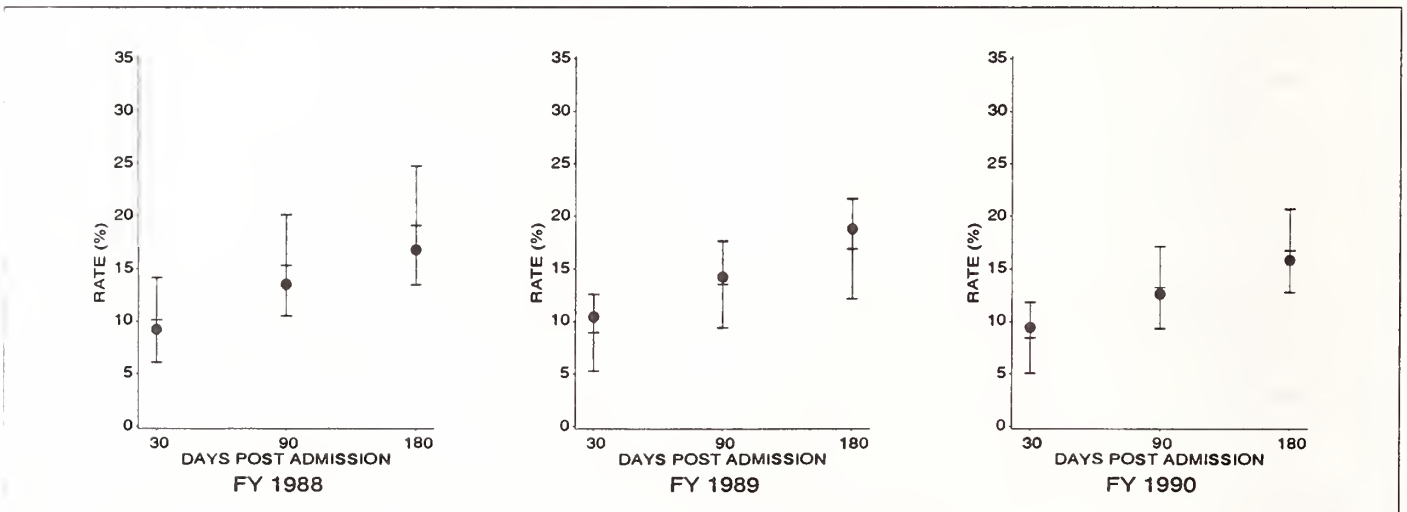
709 WALNUT ST  
CHATTANOOGA, TN 37402  
Medicare Provider Number: 440121

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	374	9.4	8.4	1.7	12.6	13.2	2.0	15.8	16.7	2.0
CONDITIONS:										
Acute Myocardial Infarction.....	9	33.3	21.2	-----	33.3	23.9	-----	44.4	26.7	-----
Congestive Heart Failure.....	23	8.7	10.2	-----	8.7	16.6	-----	13.0	21.7	-----
Pneumonia/Influenza.....	20	20.0	10.5	-----	25.0	15.0	-----	25.0	17.8	-----
Chronic Obstructive Pulmonary Disease.....	2	0.0	4.0	-----	0.0	8.2	-----	0.0	12.9	-----
Transient Cerebral Ischemia.....	9	0.0	1.9	-----	0.0	4.2	-----	0.0	6.9	-----
Stroke.....	11	27.3	16.9	-----	45.5	23.4	-----	45.5	26.7	-----
Hip Fracture.....	7	0.0	9.0	-----	0.0	15.5	-----	0.0	19.8	-----
Sepsis.....	2	0.0	13.1	-----	0.0	17.8	-----	0.0	21.5	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	3	0.0	9.1	-----	0.0	16.7	-----	0.0	21.7	-----
Open Reduction of Hip Fracture.....	1	0.0	12.8	-----	0.0	20.9	-----	0.0	25.3	-----
Prostatectomy.....	5	0.0	0.4	-----	20.0	0.8	-----	20.0	1.4	-----
Cholecystectomy.....	4	0.0	2.3	-----	0.0	4.1	-----	0.0	5.8	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# DOWNTOWN GENERAL HOSPITAL

Medicare Provider Number: 440121

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.7 years	Cancer..... 3.5 %
Proportion female..... 60.4 %	Chronic cardiovascular disease..... 35.6 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 1.9 %
Referred by personal or HMO physician..... 45.7 %	Chronic renal disease..... 1.1 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 13.4 %
Admitted for elective procedure..... 17.9 %	Cerebrovascular degeneration..... 5.3 %
Admitted for emergency..... 21.4 %	Diabetes mellitus..... 28.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 73.1%	Hospital ..... 7.0 Days
State ..... 11.8%	State ..... 8.1 Days
Outside State ..... 15.1%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 65 Occupancy Rate ..... 32.0 % Ownership/Control..... Private, Non-Profit Medicare Discharges ..... 54.5 % Case Mix Index (CMI) ..... 1.1569	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 130 Percent of Physicians Board Certified Specialists ..... 90.8 % Medical Residents/Interns ..... 0 Registered Nurses..... 17 Licensed Practical Nurses ..... 5	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# EAST TENNESSEE BAPTIST HOSPITAL

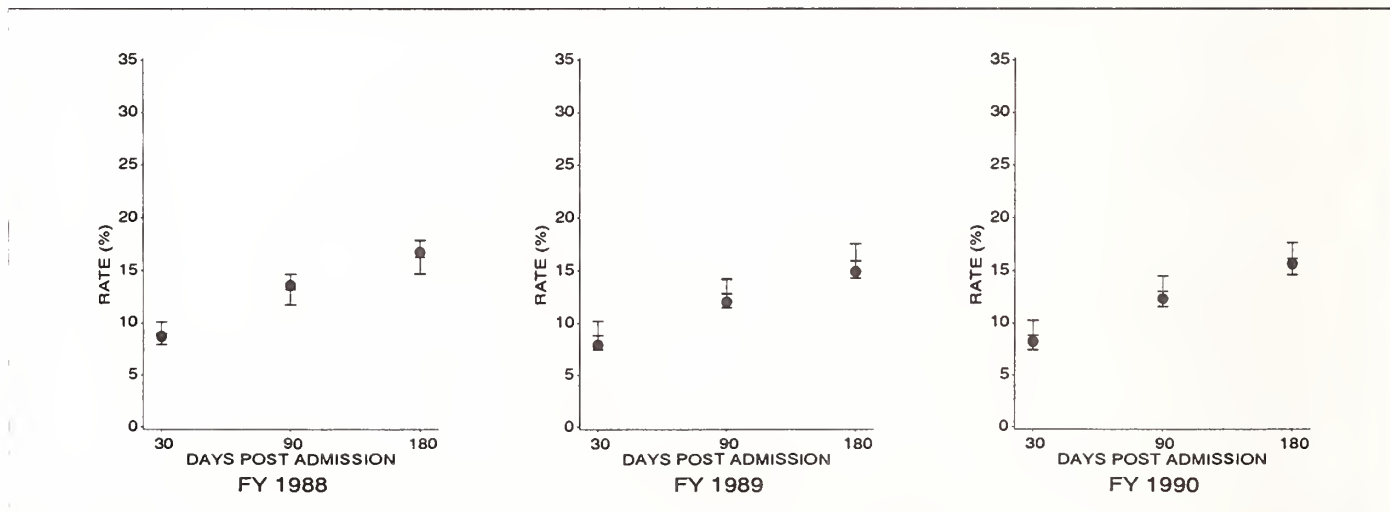
137 BLOUNT AVE, BOX 1788  
KNOXVILLE, TN 37901  
Medicare Provider Number: 440019

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	3183	8.2	8.8	0.7	12.3	13.0	0.7	15.6	16.1	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	149	17.4	24.7	4.6	18.8	27.4	4.9	20.8	30.1	5.3
Congestive Heart Failure.....	130	10.8	13.0	3.5	20.8	20.9	3.8	23.8	26.8	4.2
Pneumonia/Influenza.....	67	14.9	14.9	4.4	22.4	20.4	5.5	25.4	24.2	5.4
Chronic Obstructive Pulmonary Disease.....	64	1.6	6.8	4.8	4.7	12.0	6.8	7.8	15.9	7.3
Transient Cerebral Ischemia.....	33	6.1	1.7	-----	6.1	3.8	-----	9.1	6.1	-----
Stroke.....	108	25.9	21.4	7.0	32.4	27.4	6.3	32.4	31.2	6.4
Hip Fracture.....	70	5.7	5.6	3.9	8.6	9.7	3.6	11.4	12.5	4.9
Sepsis.....	42	14.3	30.0	-----	19.0	38.1	-----	21.4	42.3	-----
PROCEDURES:										
Angioplasty.....	123	4.1	4.0	1.9	4.1	5.1	2.3	5.7	6.2	2.7
Coronary Artery Bypass Graft.....	107	1.9	5.1	2.9	2.8	7.2	3.7	2.8	8.3	3.9
Initial Pacemaker Insertion.....	32	12.5	3.8	-----	12.5	7.1	-----	15.6	9.9	-----
Carotid Endarterectomy.....	18	5.6	1.7	-----	5.6	3.0	-----	5.6	4.3	-----
Hip Replacement/Reconstruction.....	39	10.3	4.7	-----	17.9	8.7	-----	17.9	11.7	-----
Open Reduction of Hip Fracture.....	24	0.0	4.6	-----	0.0	8.3	-----	8.3	11.2	-----
Prostatectomy.....	106	0.9	0.9	1.6	2.8	2.1	2.4	3.8	3.5	4.0
Cholecystectomy.....	60	0.0	2.9	3.5	1.7	5.2	4.4	5.0	6.8	3.6
Hysterectomy.....	36	0.0	1.4	-----	8.3	3.0	-----	8.3	4.6	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (°) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# EAST TENNESSEE BAPTIST HOSPITAL

Medicare Provider Number: 440019

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 72.3 years	Cancer..... 7.4 %
Proportion female..... 51.3 %	Chronic cardiovascular disease..... 37.8 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.7 %
Referred by personal or HMO physician..... 46.0 %	Chronic renal disease..... 2.4 %
Transferred from skilled nursing facility..... 0.3 %	Chronic pulmonary disease..... 15.5 %
Admitted for elective procedure..... 35.2 %	Cerebrovascular degeneration..... 2.6 %
Admitted for emergency..... 54.4 %	Diabetes mellitus..... 7.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 51.2%	Hospital ..... 8.5 Days
State ..... 42.7%	State ..... 8.1 Days
Outside State ..... 6.1%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 317	Burn Unit ..... No
Occupancy Rate ..... 73.0 %	Cardiac Intensive Care ..... Yes
Ownership/Control..... Private, Non-Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 46.5 %	Hospice Care ..... Yes
Case Mix Index (CMI) ..... 1.5075	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 154	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 77.3 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 324	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 88	Rehabilitation..... Yes
	Psychiatric ..... Yes
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# EASTWOOD MEDICAL CENTER

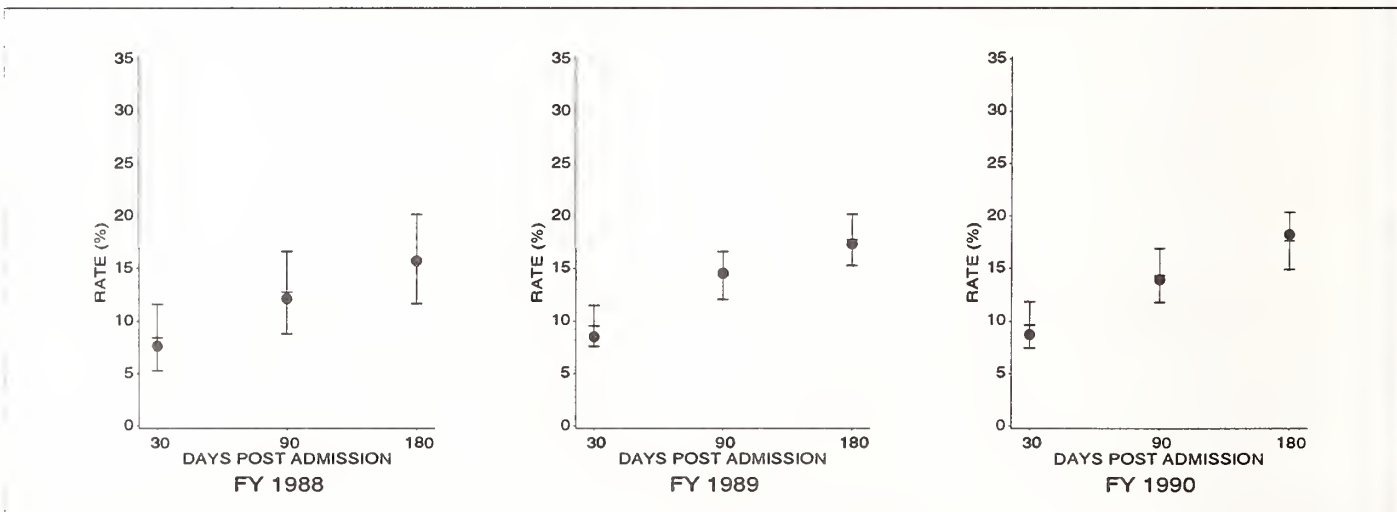
3000 GETWELL RD  
MEMPHIS, TN 38118  
Medicare Provider Number: 440159

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	841	8.7	9.6	1.1	13.9	14.3	1.3	18.2	17.6	1.4
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	19	31.6	36.0	----	42.1	39.3	----	42.1	42.2	----
Congestive Heart Failure.....	38	5.3	11.1	----	18.4	17.5	----	23.7	23.2	----
Pneumonia/Influenza.....	47	17.0	14.0	----	17.0	19.1	----	23.4	22.2	----
Chronic Obstructive Pulmonary Disease.....	27	0.0	9.2	----	3.7	16.2	----	11.1	20.8	----
Transient Cerebral Ischemia.....	19	0.0	1.5	----	10.5	3.3	----	10.5	5.3	----
Stroke.....	38	26.3	17.1	----	31.6	22.7	----	31.6	25.9	----
Hip Fracture.....	16	0.0	6.0	----	0.0	10.5	----	6.3	13.5	----
Sepsis.....	22	40.9	28.6	----	54.5	36.4	----	59.1	40.9	----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	6	0.0	3.5	----	0.0	6.6	----	16.7	9.1	----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	9	0.0	4.2	----	0.0	7.2	----	0.0	9.3	----
Open Reduction of Hip Fracture.....	5	0.0	5.8	----	0.0	10.5	----	20.0	13.9	----
Prostatectomy.....	30	0.0	1.5	----	0.0	3.4	----	10.0	5.4	----
Cholecystectomy.....	9	0.0	2.0	----	11.1	3.3	----	11.1	4.2	----
Hysterectomy.....	2	0.0	0.1	----	0.0	0.2	----	0.0	0.3	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# EASTWOOD MEDICAL CENTER

Medicare Provider Number: 440159

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 73.5 years	Cancer..... 6.7 %
Proportion female..... 60.5 %	Chronic cardiovascular disease..... 31.0 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.8 %
Referred by personal or HMO physician..... 35.4 %	Chronic renal disease..... 1.0 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 10.1 %
Admitted for elective procedure..... 10.6 %	Cerebrovascular degeneration..... 4.0 %
Admitted for emergency..... 62.0 %	Diabetes mellitus..... 9.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 76.6%	Hospital ..... 9.6 Days
State ..... 2.4%	State ..... 8.1 Days
Outside State ..... 21.0%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 179 Occupancy Rate ..... 45.0 % Ownership/Control..... Private, For Profit Medicare Discharges .....(Not Available) Case Mix Index (CMI) ..... 1.1451	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... (Not Available) Percent of Physicians Board Certified Specialists .....(Not Available) Medical Residents/Interns ..... (Not Available) Registered Nurses..... (Not Available) Licensed Practical Nurses ..... (Not Available)	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... Yes Rehabilitation ..... No Psychiatric ..... Yes Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# EDGEFIELD HOSPITAL

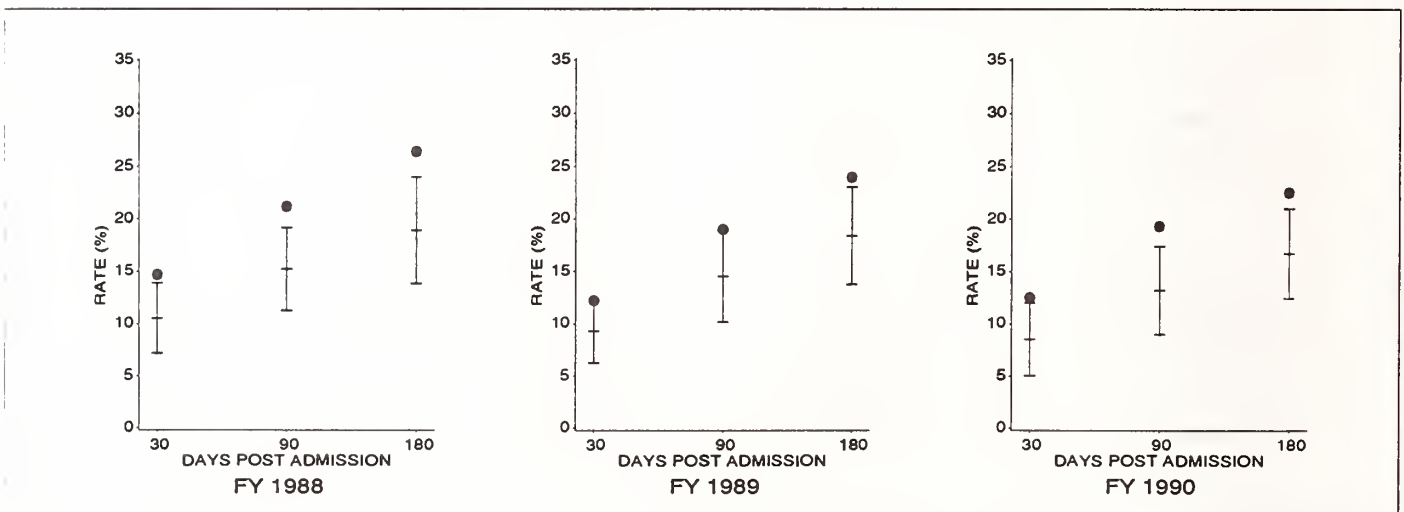
610 GALLATIN RD  
NASHVILLE, TN 37206  
Medicare Provider Number: 440026

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	534	12.5	8.5	1.7	19.3	13.2	2.1	22.5	16.7	2.1
CONDITIONS:										
Acute Myocardial Infarction.....	13	53.8	21.0	-----	53.8	24.0	-----	53.8	26.7	-----
Congestive Heart Failure.....	23	13.0	12.4	-----	17.4	20.3	-----	21.7	26.5	-----
Pneumonia/Influenza.....	33	42.4	18.3	-----	51.5	26.5	-----	54.5	31.5	-----
Chronic Obstructive Pulmonary Disease.....	7	14.3	7.3	-----	28.6	12.2	-----	28.6	15.9	-----
Transient Cerebral Ischemia.....	4	0.0	0.8	-----	0.0	2.1	-----	0.0	3.6	-----
Stroke.....	20	15.0	15.8	-----	25.0	23.1	-----	30.0	27.2	-----
Hip Fracture.....	15	0.0	4.2	-----	6.7	7.7	-----	6.7	10.4	-----
Sepsis.....	8	50.0	25.6	-----	50.0	34.3	-----	62.5	39.9	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	13	0.0	2.2	-----	7.7	4.2	-----	7.7	5.7	-----
Open Reduction of Hip Fracture.....	4	0.0	4.1	-----	0.0	7.0	-----	0.0	9.3	-----
Prostatectomy.....	6	0.0	0.7	-----	0.0	1.8	-----	16.7	3.2	-----
Cholecystectomy.....	13	7.7	2.3	-----	7.7	4.9	-----	7.7	7.1	-----
Hysterectomy.....	1	0.0	0.3	-----	0.0	0.9	-----	0.0	1.7	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**EDGEFIELD HOSPITAL**  
Medicare Provider Number: 440026

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	76.7 years	Cancer.....	6.0 %
Proportion female.....	63.9 %	Chronic cardiovascular disease.....	35.0 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.9 %
Referred by personal or HMO physician.....	98.1 %	Chronic renal disease.....	1.1 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	14.8 %
Admitted for elective procedure.....	39.3 %	Cerebrovascular degeneration.....	6.9 %
Admitted for emergency.....	54.1 %	Diabetes mellitus.....	7.9 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	90.6%	Hospital .....	6.7 Days
State .....	7.9%	State .....	8.1 Days
Outside State .....	1.5%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds .....	87	Burn Unit .....	No
Occupancy Rate .....	46.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	Private, For Profit	Comprehensive Geriatric .....	No
Medicare Discharges .....	42.8 %	Hospice Care .....	No
Case Mix Index (CMI) .....	1.1539	Medical/Surgical Intensive Care.....	Yes
STAFFING:		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	66	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists.....	93.9 %	Trauma Center .....	No
Medical Residents/Interns .....	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses.....	64	Alcohol/Drug .....	No
Licensed Practical Nurses.....	45	Rehabilitation.....	Yes
		Psychiatric .....	Yes
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ERLANGER MEDICAL CENTER

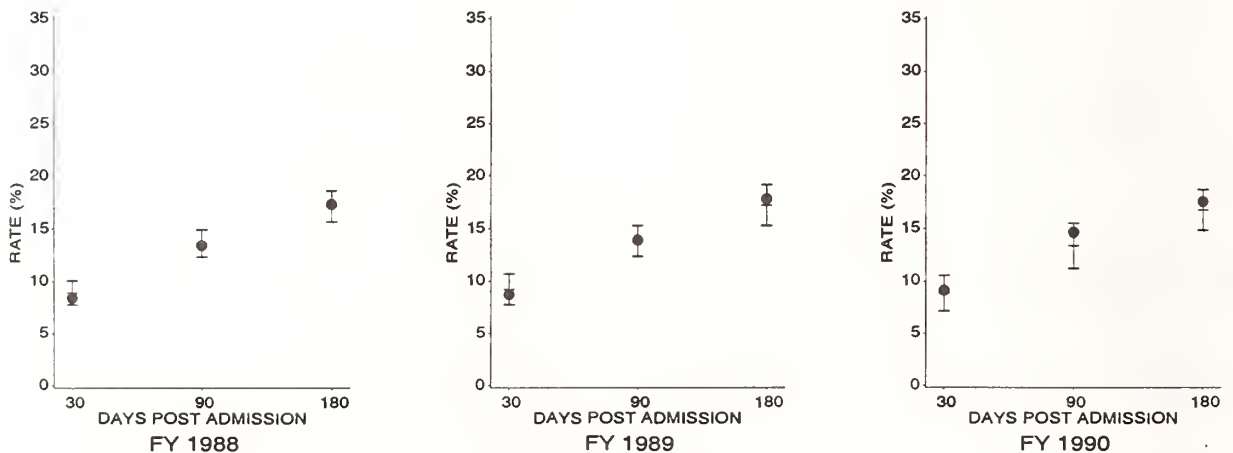
975 EAST THIRD ST  
CHATTANOOGA, TN 37403  
Medicare Provider Number: 440104

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	3880	9.1	8.8	0.9	14.6	13.3	1.1	17.5	16.7	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	115	12.2	22.6	5.5	17.4	25.6	5.3	18.3	28.1	5.6
Congestive Heart Failure.....	149	11.4	13.1	3.0	22.1	21.1	3.4	30.2	27.1	4.1
Pneumonia/Influenza.....	132	18.2	15.2	6.1	25.8	21.0	5.6	28.8	24.8	5.0
Chronic Obstructive Pulmonary Disease.....	66	15.2	10.6	4.9	19.7	18.4	4.9	24.2	23.8	5.5
Transient Cerebral Ischemia.....	69	1.4	1.9	1.8	1.4	4.1	4.1	5.8	6.6	3.9
Stroke.....	125	24.0	20.4	4.0	28.0	26.2	4.0	32.8	29.7	4.5
Hip Fracture.....	104	8.7	7.1	3.3	12.5	11.9	3.2	15.4	15.3	3.9
Sepsis.....	50	36.0	26.8	-----	42.0	33.7	-----	44.0	38.4	-----
PROCEDURES:										
Angioplasty.....	36	0.0	3.1	-----	0.0	3.9	-----	0.0	4.6	-----
Coronary Artery Bypass Graft.....	70	1.4	5.6	3.2	1.4	7.6	4.0	1.4	8.5	4.4
Initial Pacemaker Insertion.....	19	0.0	3.7	-----	5.3	6.4	-----	5.3	8.8	-----
Carotid Endarterectomy.....	23	4.3	2.0	-----	8.7	4.0	-----	8.7	5.7	-----
Hip Replacement/Reconstruction.....	84	4.8	3.5	3.3	6.0	6.1	3.0	8.3	8.1	3.1
Open Reduction of Hip Fracture.....	44	6.8	5.9	-----	11.4	10.4	-----	13.6	13.4	-----
Prostatectomy.....	67	0.0	1.2	1.6	0.0	2.7	2.8	1.5	4.5	3.2
Cholecystectomy.....	60	5.0	2.8	4.2	5.0	5.2	3.2	8.3	6.9	3.5
Hysterectomy.....	18	0.0	0.3	-----	0.0	0.8	-----	0.0	1.5	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ERLANGER MEDICAL CENTER

Medicare Provider Number: 440104

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 70.6 years  
 Proportion female..... 54.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 51.3 %  
 Transferred from skilled nursing facility..... 0.9 %  
 Admitted for elective procedure..... 17.1 %  
 Admitted for emergency..... 81.3 %

### COMORBIDITIES:

Cancer..... 7.1 %  
 Chronic cardiovascular disease..... 36.1 %  
 Chronic liver disease..... 1.0 %  
 Chronic renal disease..... 8.3 %  
 Chronic pulmonary disease..... 14.1 %  
 Cerebrovascular degeneration..... 4.4 %  
 Diabetes mellitus..... 10.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 67.3%  
 State ..... 17.3%  
 Outside State ..... 15.4%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.3 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 600  
 Occupancy Rate ..... 71.0 %  
 Ownership/Control..... District/Authority  
 Medicare Discharges ..... 24.6 %  
 Case Mix Index (CMI) ..... 1.4320

### STAFFING:

Total Number of Physicians..... 616  
 Percent of Physicians Board Certified Specialists..... 76.5 %  
 Medical Residents/Interns ..... 91  
 Registered Nurses..... 880  
 Licensed Practical Nurses..... 119

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
 Cardiac Intensive Care ..... Yes  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... Yes  
 Other Intensive Care ..... Yes  
 Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
 Rehabilitation..... No  
 Psychiatric ..... No  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# FENTRESS COUNTY GENERAL HOSPITAL

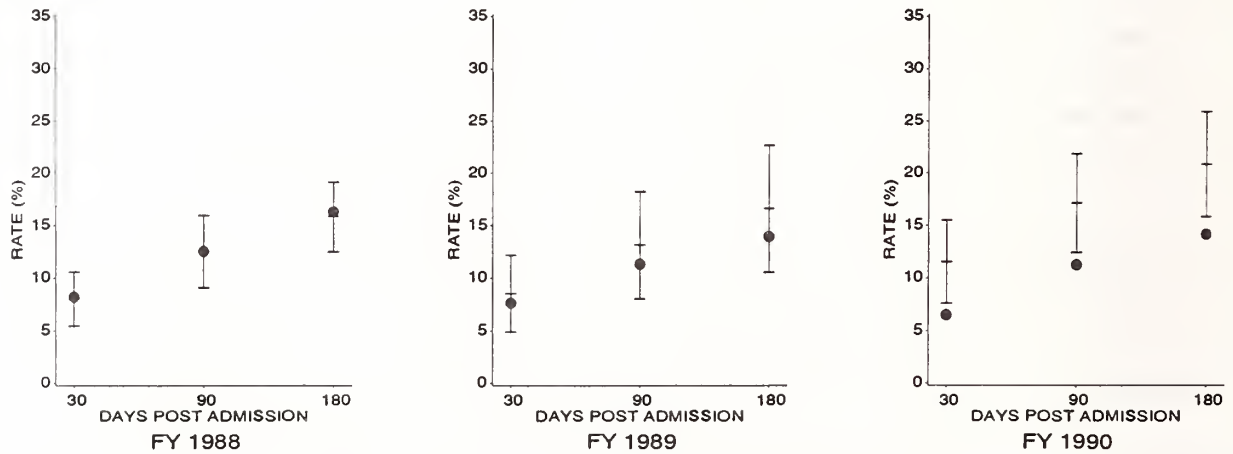
HWY 52 W, DRAWER N  
JAMESTOWN, TN 38556  
Medicare Provider Number: 440083

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	447	6.5	11.5	2.0	11.2	17.1	2.4	14.1	20.8	2.5
CONDITIONS:										
Acute Myocardial Infarction.....	22	18.2	20.1	-----	22.7	25.0	-----	27.3	28.2	-----
Congestive Heart Failure.....	19	5.3	8.2	-----	10.5	13.8	-----	10.5	18.0	-----
Pneumonia/Influenza.....	36	5.6	11.7	-----	8.3	16.5	-----	13.9	19.4	-----
Chronic Obstructive Pulmonary Disease.....	13	0.0	5.5	-----	0.0	9.5	-----	0.0	12.9	-----
Transient Cerebral Ischemia.....	3	0.0	1.2	-----	0.0	2.2	-----	0.0	3.2	-----
Stroke.....	18	16.7	15.1	-----	16.7	20.8	-----	16.7	24.5	-----
Hip Fracture.....	0									
Sepsis.....	3	0.0	24.5	-----	33.3	31.1	-----	33.3	34.8	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	6	0.0	2.3	-----	0.0	4.5	-----	0.0	6.5	-----
Hysterectomy.....	2	0.0	0.1	-----	0.0	0.2	-----	0.0	0.4	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FENTRESS COUNTY GENERAL HOSPITAL

Medicare Provider Number: 440083

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 70.7 years	Cancer..... 4.9 %
Proportion female..... 57.0 %	Chronic cardiovascular disease..... 35.8 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.7 %
Referred by personal or HMO physician..... 72.0 %	Chronic renal disease..... 2.9 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 24.8 %
Admitted for elective procedure..... 2.9 %	Cerebrovascular degeneration..... 2.5 %
Admitted for emergency..... 13.9 %	Diabetes mellitus..... 9.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 80.2%	Hospital ..... 6.5 Days
State ..... 16.8%	State ..... 8.1 Days
Outside State ..... 3.0%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 84 Occupancy Rate ..... 56.0 % Ownership/Control..... Private, For Profit Medicare Discharges ..... 41.3 % Case Mix Index (CMI) ..... 1.2392	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 13 Percent of Physicians Board Certified Specialists ..... 76.9 % Medical Residents/Interns ..... 0 Registered Nurses..... 12 Licensed Practical Nurses ..... 25	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... Yes Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... Yes
** Except for CMI	

\* Not used in calculating mortality rates

# FORT SANDERS LOUDON MEDICAL CENTER

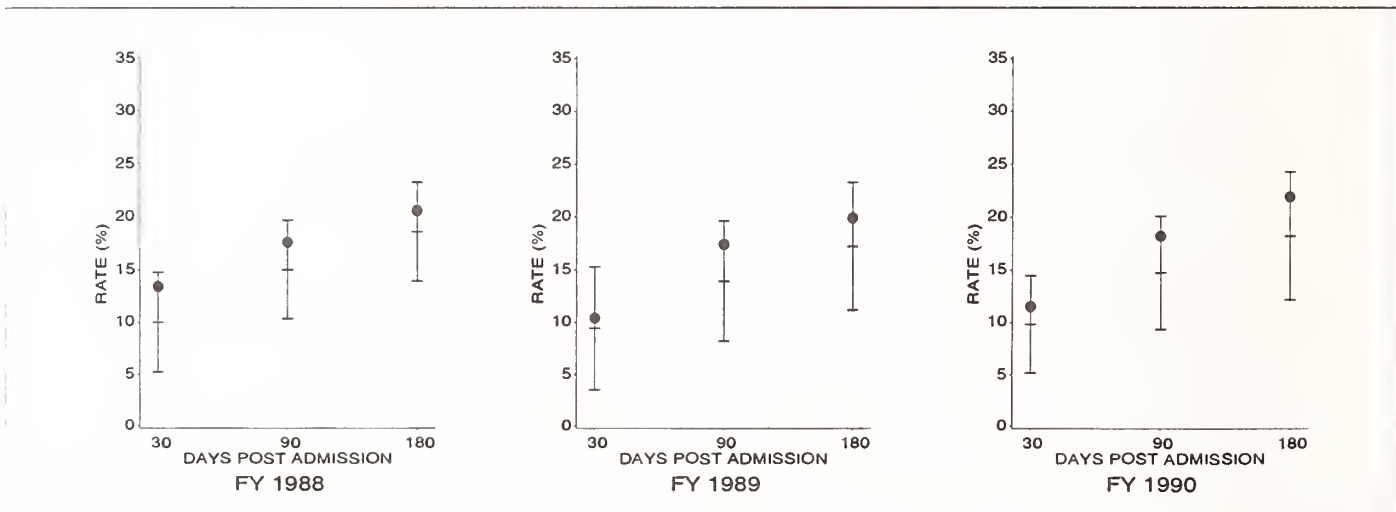
VONORE RD, BOX 217  
LOUDON, TN 37774  
Medicare Provider Number: 440110

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	374	11.5	9.8	2.3	18.2	14.7	2.7	21.9	18.2	3.0
CONDITIONS:										
Acute Myocardial Infarction.....	11	36.4	19.8	-----	45.5	21.9	-----	45.5	24.1	-----
Congestive Heart Failure.....	22	9.1	13.5	-----	18.2	22.5	-----	31.8	29.3	-----
Pneumonia/Influenza.....	30	6.7	17.5	-----	23.3	24.3	-----	23.3	28.8	-----
Chronic Obstructive Pulmonary Disease.....	12	8.3	9.2	-----	16.7	16.5	-----	33.3	21.9	-----
Transient Cerebral Ischemia.....	7	0.0	1.9	-----	14.3	4.4	-----	14.3	7.4	-----
Stroke.....	20	35.0	19.3	-----	40.0	24.4	-----	40.0	27.9	-----
Hip Fracture.....	0									
Sepsis.....	3	0.0	21.9	-----	0.0	30.9	-----	0.0	36.3	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	1	0.0	0.3	-----	0.0	0.7	-----	0.0	1.4	-----
Cholecystectomy.....	9	0.0	3.1	-----	0.0	5.7	-----	11.1	7.5	-----
Hysterectomy.....	3	0.0	0.2	-----	0.0	0.6	-----	0.0	1.1	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# FORT SANDERS LOUDON MEDICAL CENTER

Medicare Provider Number: 440110

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years  
 Proportion female..... 61.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 59.4 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 1.1 %  
 Admitted for emergency..... 59.6 %

### COMORBIDITIES:

Cancer..... 3.7 %  
 Chronic cardiovascular disease..... 33.7 %  
 Chronic liver disease..... 1.6 %  
 Chronic renal disease..... 1.3 %  
 Chronic pulmonary disease..... 14.7 %  
 Cerebrovascular degeneration..... 5.6 %  
 Diabetes mellitus..... 12.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 82.3%  
 State..... 16.2%  
 Outside State..... 1.5%  
 Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.7 Days  
 State..... 8.1 Days  
 National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 28  
 Occupancy Rate..... 60.0 %  
 Ownership/Control..... Private, Non-Profit  
 Medicare Discharges..... 39.9 %  
 Case Mix Index (CMI)..... 1.1023

### STAFFING:

Total Number of Physicians..... 16  
 Percent of Physicians Board Certified Specialists..... 68.8 %  
 Medical Residents/Interns..... 0  
 Registered Nurses..... 18  
 Licensed Practical Nurses..... 22

### SPECIALTY SERVICES:

Burn Unit..... No  
 Cardiac Intensive Care..... No  
 Comprehensive Geriatric..... No  
 Hospice Care..... No  
 Medical/Surgical Intensive Care..... Yes  
 Organ/Tissue Transplant..... No  
 Other Intensive Care..... No  
 Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
 Rehabilitation..... No  
 Psychiatric..... No  
 Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# FORT SANDERS PARK WEST MEDICAL CENTER

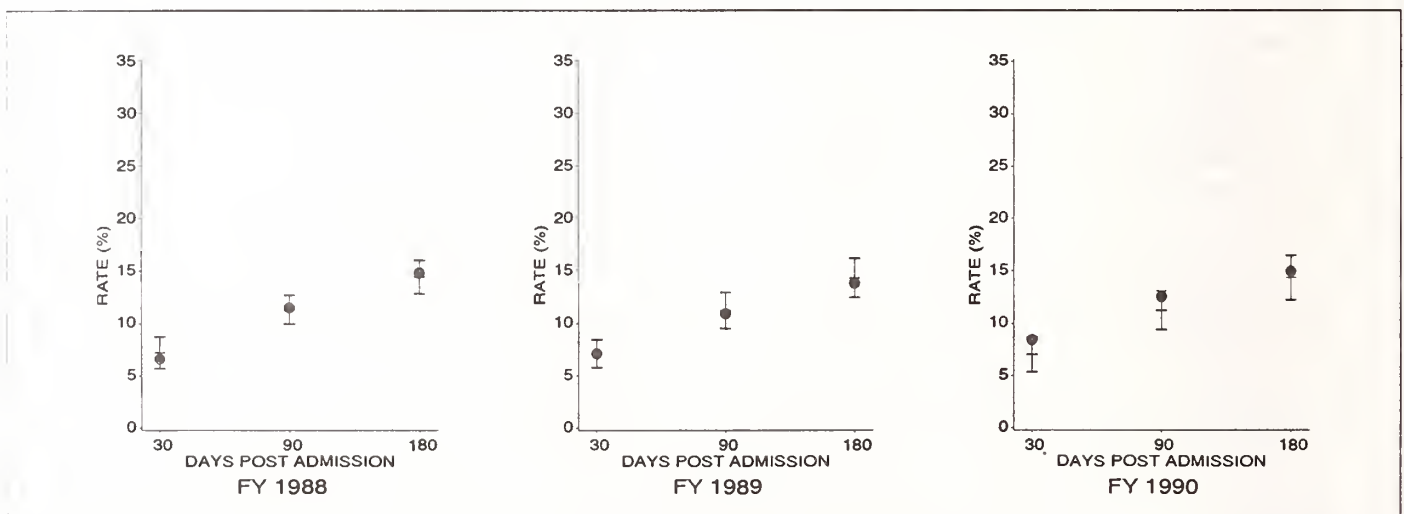
9352 PARK WEST BLVD  
KNOXVILLE, TN 37933  
Medicare Provider Number: 440173

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	2220	8.4	7.0	0.8	12.5	11.2	0.9	14.9	14.3	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	50	26.0	26.1	-----	34.0	28.9	-----	34.0	31.2	-----
Congestive Heart Failure.....	109	11.9	12.5	4.0	19.3	19.8	3.9	22.0	25.5	5.1
Pneumonia/Influenza.....	75	13.3	11.9	4.8	17.3	16.8	4.6	18.7	20.0	6.1
Chronic Obstructive Pulmonary Disease.....	33	9.1	6.1	-----	12.1	11.1	-----	12.1	15.1	-----
Transient Cerebral Ischemia.....	32	0.0	1.4	-----	0.0	3.1	-----	0.0	4.9	-----
Stroke.....	58	25.9	19.5	6.1	31.0	26.3	6.2	31.0	30.2	6.1
Hip Fracture.....	69	4.3	5.4	2.8	8.7	9.8	4.0	11.6	13.1	4.7
Sepsis.....	22	31.8	20.9	-----	45.5	28.4	-----	45.5	33.1	-----
PROCEDURES:										
Angioplasty.....	28	3.6	2.8	-----	7.1	3.7	-----	10.7	4.4	-----
Coronary Artery Bypass Graft.....	53	5.7	5.5	3.2	9.4	7.8	4.9	11.3	8.7	6.5
Initial Pacemaker Insertion.....	19	5.3	2.1	-----	10.5	4.3	-----	10.5	6.7	-----
Carotid Endarterectomy.....	19	0.0	2.2	-----	0.0	4.3	-----	0.0	6.0	-----
Hip Replacement/Reconstruction.....	55	1.8	3.1	2.6	3.6	6.2	4.0	5.5	8.7	5.2
Open Reduction of Hip Fracture.....	29	6.9	5.5	-----	13.8	10.1	-----	20.7	13.5	-----
Prostatectomy.....	67	3.0	0.8	2.1	7.5	1.7	3.4	9.0	3.0	3.9
Cholecystectomy.....	65	1.5	1.2	1.5	1.5	2.3	2.2	4.6	3.1	2.3
Hysterectomy.....	33	0.0	0.4	-----	0.0	-0.9	-----	0.0	1.4	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FORT SANDERS PARK WEST MEDICAL CENTER

Medicare Provider Number: 440173

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 73.0 years	Cancer..... 7.3 %
Proportion female..... 57.5 %	Chronic cardiovascular disease..... 31.4 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.9 %
Referred by personal or HMO physician..... 62.2 %	Chronic renal disease..... 1.8 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 16.8 %
Admitted for elective procedure..... 43.8 %	Cerebrovascular degeneration..... 4.4 %
Admitted for emergency..... 24.4 %	Diabetes mellitus..... 6.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 49.1%	Hospital ..... 7.7 Days
State ..... 46.7%	State ..... 8.1 Days
Outside State ..... 4.2%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 259 Occupancy Rate ..... 71.0 % Ownership/Control..... Private, Non-Profit Medicare Discharges ..... 50.4 % Case Mix Index (CMI) ..... 1.3812	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... Yes Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 203 Percent of Physicians Board Certified Specialists .....(Not Available) Medical Residents/Interns ..... 0 Registered Nurses..... 252 Licensed Practical Nurses..... 69	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... Yes Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# FORT SANDERS REGIONAL MEDICAL CENTER

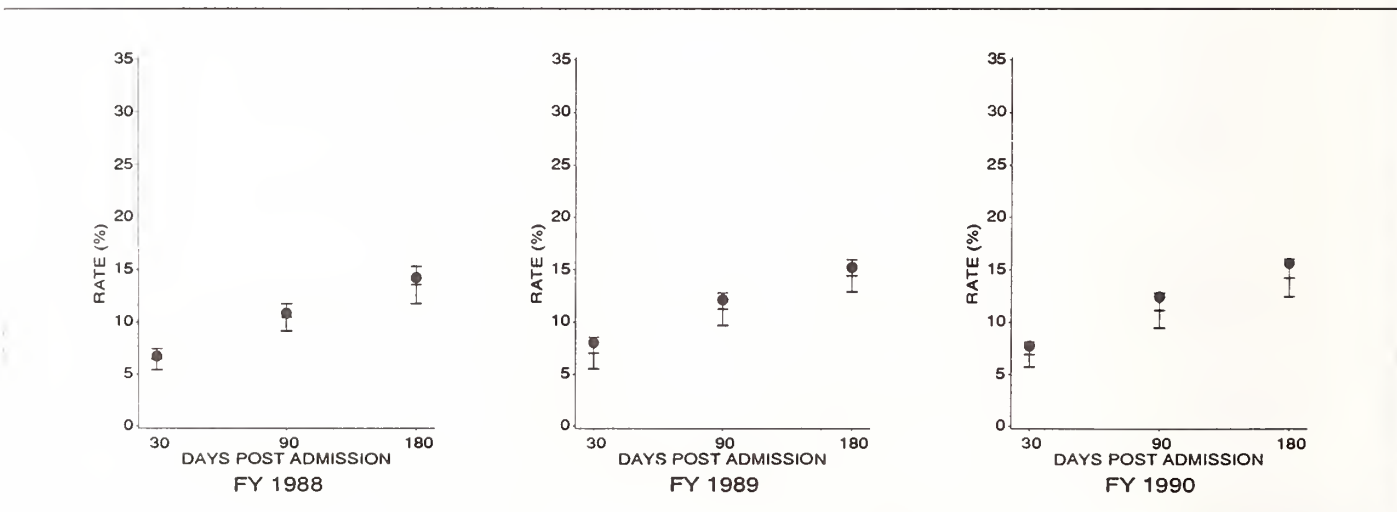
1901 CLINCH AVE  
KNOXVILLE, TN 37916  
Medicare Provider Number: 440125

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	3099	7.7	6.9	0.6	12.4	11.1	0.8	15.6	14.2	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	92	22.8	20.6	5.2	23.9	23.6	5.0	29.3	25.9	5.3
Congestive Heart Failure.....	96	14.6	13.8	3.7	21.9	22.0	4.4	28.1	28.0	4.9
Pneumonia/Influenza.....	98	12.2	14.0	4.1	21.4	19.8	4.3	22.4	23.4	4.8
Chronic Obstructive Pulmonary Disease.....	56	1.8	7.4	5.8	12.5	13.2	4.7	16.1	17.6	6.0
Transient Cerebral Ischemia.....	32	6.3	1.5	-----	6.3	3.4	-----	9.4	5.6	-----
Stroke.....	108	11.1	17.3	5.9	17.6	23.6	8.0	21.3	27.3	7.7
Hip Fracture.....	96	6.3	5.5	2.4	10.4	10.0	3.1	11.5	13.3	3.8
Sepsis.....	16	37.5	22.9	-----	50.0	31.3	-----	56.3	36.1	-----
PROCEDURES:										
Angioplasty.....	22	9.1	4.4	-----	9.1	5.7	-----	9.1	6.8	-----
Coronary Artery Bypass Graft.....	32	0.0	6.1	-----	0.0	8.5	-----	0.0	9.5	-----
Initial Pacemaker Insertion.....	16	0.0	3.7	-----	0.0	6.9	-----	0.0	9.5	-----
Carotid Endarterectomy.....	21	4.8	1.9	-----	9.5	3.5	-----	9.5	5.1	-----
Hip Replacement/Reconstruction.....	89	2.2	2.5	2.5	4.5	4.7	3.0	5.6	6.4	2.7
Open Reduction of Hip Fracture.....	49	8.2	4.1	-----	10.2	7.9	-----	10.2	10.7	-----
Prostatectomy.....	122	0.0	0.9	1.4	0.8	2.1	2.3	4.9	3.6	2.1
Cholecystectomy.....	74	1.4	2.0	2.9	6.8	4.0	3.4	9.5	5.6	4.3
Hysterectomy.....	37	0.0	0.3	-----	0.0	0.8	-----	2.7	1.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# FORT SANDERS REGIONAL MEDICAL CENTER

Medicare Provider Number: 440125

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 71.7 years	Cancer..... 8.9 %
Proportion female..... 55.8 %	Chronic cardiovascular disease..... 24.9 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 1.0 %
Referred by personal or HMO physician..... 54.2 %	Chronic renal disease..... 4.0 %
Transferred from skilled nursing facility..... 0.1 %	Chronic pulmonary disease..... 11.1 %
Admitted for elective procedure..... 43.4 %	Cerebrovascular degeneration..... 2.8 %
Admitted for emergency..... 7.2 %	Diabetes mellitus..... 5.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 56.5%	Hospital ..... 8.7 Days
State ..... 39.5%	State ..... 8.1 Days
Outside State ..... 4.0%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 415 Occupancy Rate ..... 79.0 % Ownership/Control..... Private, Non-Profit Medicare Discharges ..... 34.5 % Case Mix Index (CMI) ..... 1.3643	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... Yes Comprehensive Geriatric ..... No Hospice Care ..... Yes Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... Yes Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 260 Percent of Physicians Board Certified Specialists..... 48.1 % Medical Residents/Interns ..... 0 Registered Nurses..... 446 Licensed Practical Nurses ..... 146	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug..... No Rehabilitation..... Yes Psychiatric ..... No Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# FORT SANDERS SEVIER MEDICAL CENTER

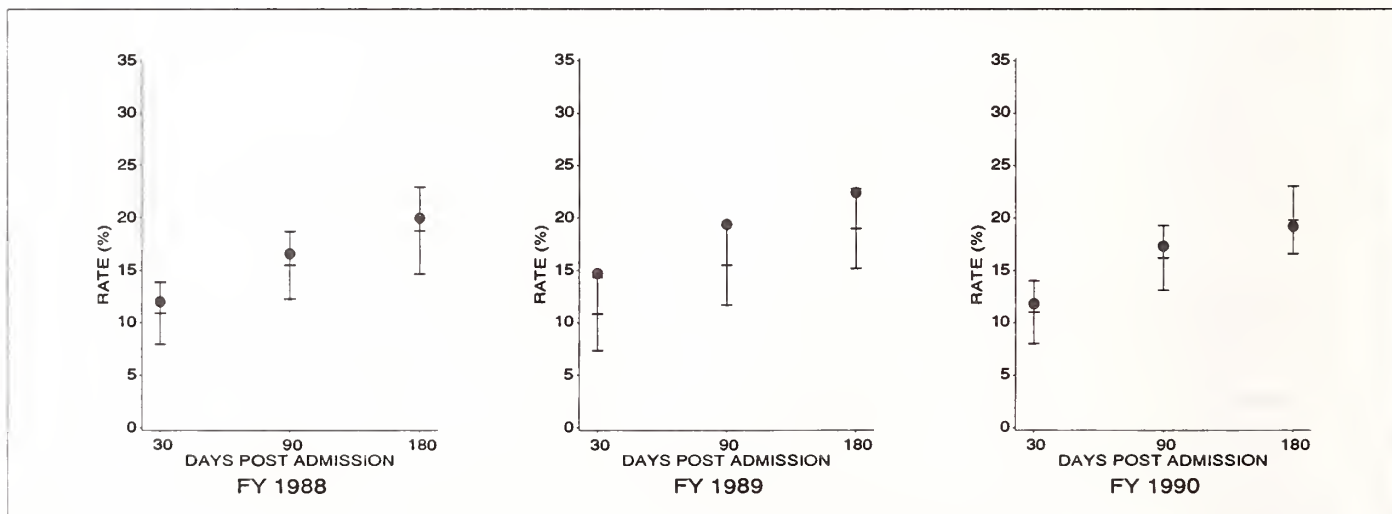
MIDDLE CREEK RD  
SEVIERVILLE, TN 37862  
Medicare Provider Number: 440081

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	637	11.8	11.0	1.5	17.3	16.2	1.6	19.2	19.8	1.6
CONDITIONS:										
Acute Myocardial Infarction.....	25	24.0	23.3	-----	24.0	25.7	-----	28.0	28.0	-----
Congestive Heart Failure.....	39	25.6	20.0	-----	38.5	30.5	-----	38.5	36.9	-----
Pneumonia/Influenza.....	51	15.7	14.9	5.2	17.6	20.6	6.4	17.6	24.1	6.9
Chronic Obstructive Pulmonary Disease.....	6	0.0	4.0	-----	33.3	7.8	-----	33.3	11.2	-----
Transient Cerebral Ischemia.....	7	0.0	1.3	-----	0.0	3.0	-----	14.3	5.0	-----
Stroke.....	22	13.6	21.8	-----	27.3	28.6	-----	31.8	32.8	-----
Hip Fracture.....	24	8.3	6.4	-----	12.5	11.1	-----	12.5	14.3	-----
Sepsis.....	9	33.3	24.3	-----	33.3	33.6	-----	44.4	38.9	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	3.7	-----	0.0	6.4	-----	0.0	8.4	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	9	11.1	5.6	-----	11.1	10.5	-----	11.1	13.6	-----
Open Reduction of Hip Fracture.....	13	7.7	5.9	-----	15.4	10.3	-----	15.4	13.4	-----
Prostatectomy.....	8	0.0	1.8	-----	0.0	4.0	-----	0.0	6.8	-----
Cholecystectomy.....	15	0.0	0.7	-----	0.0	1.3	-----	0.0	1.7	-----
Hysterectomy.....	3	0.0	0.0	-----	0.0	0.1	-----	0.0	0.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FORT SANDERS SEVIER MEDICAL CENTER

Medicare Provider Number: 440081

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.5 years	Cancer..... 4.4 %
Proportion female..... 58.9 %	Chronic cardiovascular disease..... 28.9 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.9 %
Referred by personal or HMO physician..... 30.6 %	Chronic renal disease..... 1.3 %
Transferred from skilled nursing facility..... 14.3 %	Chronic pulmonary disease..... 13.3 %
Admitted for elective procedure..... 5.2 %	Cerebrovascular degeneration..... 7.4 %
Admitted for emergency..... 15.2 %	Diabetes mellitus..... 3.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 81.2%	Hospital ..... 6.3 Days
State ..... 9.5%	State ..... 8.1 Days
Outside State ..... 9.3%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 112	Burn Unit ..... No
Occupancy Rate ..... 75.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, Non-Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 43.0 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.1410	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 23	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 69.6 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 55	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 14	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# FORUM HOSPITAL TRENTON

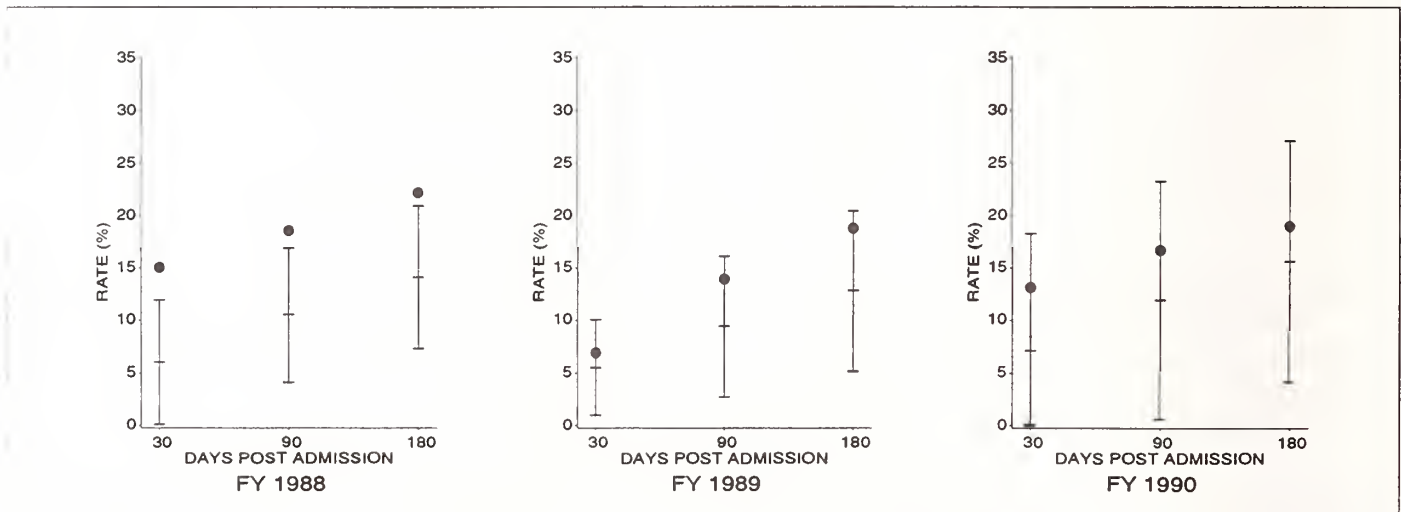
2036 HWY 45 BY-PASS  
TRENTON, TN 38382  
Medicare Provider Number: 440177

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	84	13.1	7.1	5.6	16.7	11.9	5.7	19.0	15.6	5.8
CONDITIONS:										
Acute Myocardial Infarction.....	1	100.0	37.2	----	100.0	40.0	----	100.0	43.0	----
Congestive Heart Failure.....	3	0.0	18.8	----	0.0	31.6	----	0.0	38.8	----
Pneumonia/Influenza.....	7	14.3	13.2	----	14.3	18.9	----	14.3	22.7	----
Chronic Obstructive Pulmonary Disease.....	7	14.3	5.8	----	28.6	12.1	----	28.6	17.8	----
Transient Cerebral Ischemia.....	1	100.0	1.7	----	100.0	4.9	----	100.0	9.3	----
Stroke.....	2	50.0	15.6	----	50.0	23.2	----	50.0	27.6	----
Hip Fracture.....	0									
Sepsis.....	1	100.0	22.2	----	100.0	26.5	----	100.0	31.3	----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	0.4	----	0.0	0.6	----	0.0	0.8	----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**FORUM HOSPITAL TRENTON**  
 Medicare Provider Number: 440177

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	73.4 years	Cancer.....	4.8 %
Proportion female.....	58.3 %	Chronic cardiovascular disease.....	21.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	1.2 %
Referred by personal or HMO physician.....	77.4 %	Chronic renal disease.....	0.0 %
Transferred from skilled nursing facility.....	1.2 %	Chronic pulmonary disease.....	16.7 %
Admitted for elective procedure.....	89.3 %	Cerebrovascular degeneration.....	2.4 %
Admitted for emergency.....	3.6 %	Diabetes mellitus.....	2.4 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City.....	90.1%	Hospital.....	5.1 Days
State.....	9.2%	State.....	8.1 Days
Outside State.....	0.7%	National.....	8.6 Days
Total.....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:		
Total Beds.....	90	Burn Unit.....	No
Occupancy Rate.....	57.0 %	Cardiac Intensive Care.....	No
Ownership/Control.....	Private, Non-Profit	Comprehensive Geriatric.....	No
Medicare Discharges.....	43.3 %	Hospice Care.....	No
Case Mix Index (CMI).....	0.9336	Medical/Surgical Intensive Care.....	No
STAFFING:		Organ/Tissue Transplant.....	No
Total Number of Physicians.....	2	Other Intensive Care.....	No
Percent of Physicians Board Certified Specialists.....	100.0 %	Trauma Center.....	No
Medical Residents/Interns.....	1	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses.....	5	Alcohol/Drug.....	No
Licensed Practical Nurses.....	6	Rehabilitation.....	No
		Psychiatric.....	No
		Medicare Swing Beds.....	Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# GEORGE W HUBBARD HOSPITAL

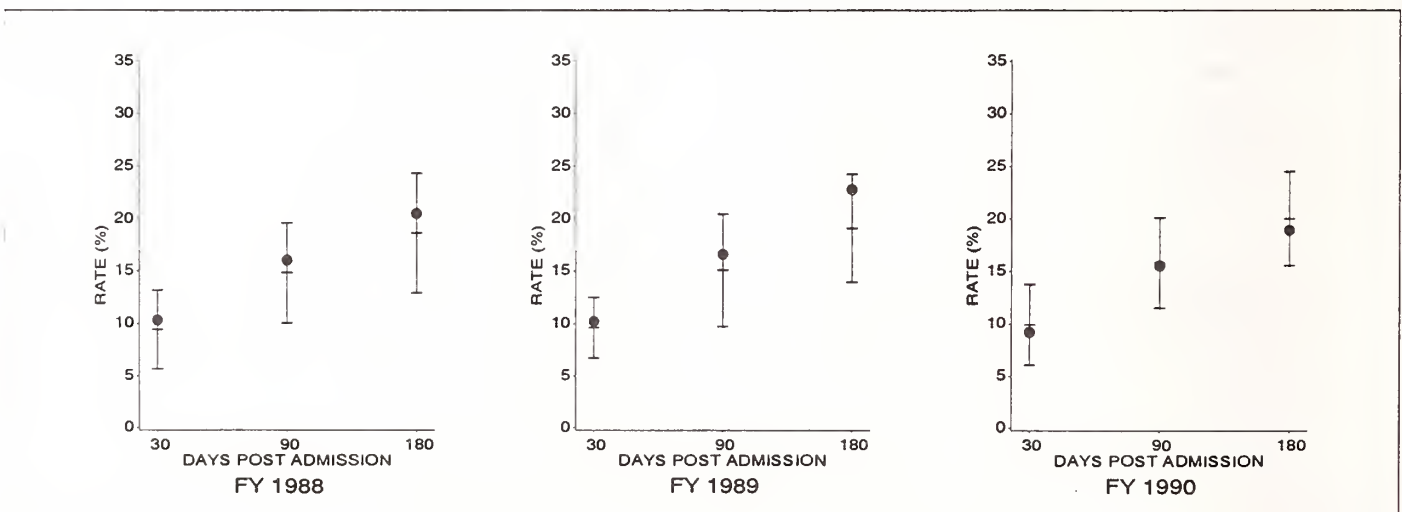
1005 D TODD BLVD  
NASHVILLE, TN 37208  
Medicare Provider Number: 440069

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	413	9.2	9.9	1.9	15.5	15.8	2.2	18.9	20.0	2.2
CONDITIONS:										
Acute Myocardial Infarction.....	6	33.3	30.2	-----	33.3	34.1	-----	33.3	36.6	-----
Congestive Heart Failure.....	39	5.1	11.0	-----	15.4	18.1	-----	17.9	23.4	-----
Pneumonia/Influenza.....	4	0.0	21.2	-----	50.0	29.6	-----	50.0	33.8	-----
Chronic Obstructive Pulmonary Disease.....	11	9.1	7.3	-----	9.1	12.3	-----	9.1	16.7	-----
Transient Cerebral Ischemia.....	14	0.0	2.3	-----	0.0	6.0	-----	0.0	10.6	-----
Stroke.....	8	50.0	20.5	-----	50.0	26.6	-----	50.0	29.8	-----
Hip Fracture.....	2	0.0	3.2	-----	0.0	5.6	-----	0.0	7.2	-----
Sepsis.....	8	62.5	20.1	-----	75.0	29.9	-----	87.5	36.6	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	1.7	-----	0.0	3.7	-----	0.0	5.7	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	2	0.0	3.0	-----	0.0	5.4	-----	0.0	6.9	-----
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	6	0.0	1.2	-----	16.7	3.0	-----	16.7	5.4	-----
Cholecystectomy.....	1	0.0	1.0	-----	0.0	2.2	-----	0.0	3.2	-----
Hysterectomy.....	5	0.0	0.2	-----	20.0	0.5	-----	20.0	0.9	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**GEORGE W HUBBARD HOSPITAL**  
 Medicare Provider Number: 440069

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	71.4 years	Cancer.....	7.3 %
Proportion female.....	59.8 %	Chronic cardiovascular disease.....	25.9 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.5 %
Referred by personal or HMO physician.....	36.1 %	Chronic renal disease.....	7.7 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	12.1 %
Admitted for elective procedure.....	0.0 %	Cerebrovascular degeneration.....	10.2 %
Admitted for emergency.....	62.0 %	Diabetes mellitus.....	17.7 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	87.1%	Hospital .....	9.4 Days
State .....	10.6%	State .....	8.1 Days
Outside State .....	2.3%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

PROFILE:	SPECIALTY SERVICES:		
Total Beds .....	385	Burn Unit .....	No
Ownership/Control.....	Private, Non-Profit	Coronary Care Unit .....	Yes
Case Mix Index (CMI) .....	1.1499	Hospice Care .....	No
STAFFING:	Intensive Care Unit .....	Yes	
Medical Residents/Interns .....	10	Organ Transplant .....	No
Registered Nurses.....	78	Trauma Center .....	Yes
Licensed Practical Nurses.....	30	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
		Alcohol/Drug.....	Yes
		Rehabilitation.....	No
		Psychiatric .....	Yes
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GERMANTOWN COMMUNITY HOSPITAL

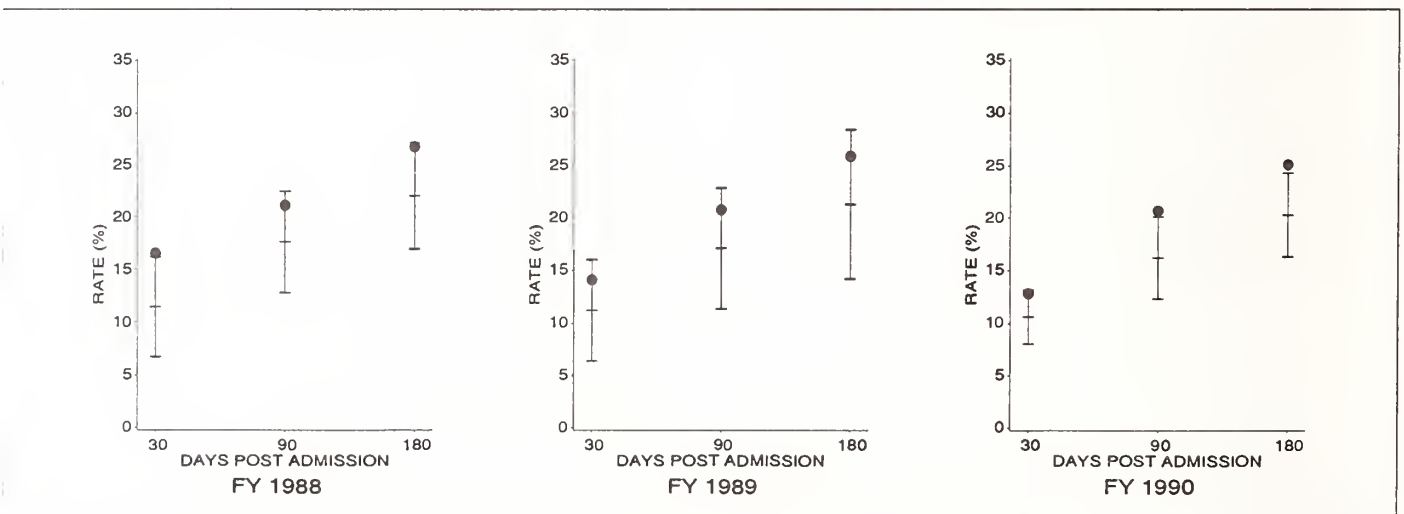
7691 POPLAR AVE  
GERMANTOWN, TN 38138  
Medicare Provider Number: 440170

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	813	12.8	10.6	1.3	20.7	16.2	2.0	25.1	20.3	2.0
CONDITIONS:										
Acute Myocardial Infarction.....	7	14.3	24.9	-----	28.6	30.8	-----	28.6	34.5	-----
Congestive Heart Failure.....	36	19.4	16.8	-----	22.2	25.8	-----	27.8	32.4	-----
Pneumonia/Influenza.....	73	31.5	18.7	6.8	42.5	25.3	8.6	49.3	29.6	10.1
Chronic Obstructive Pulmonary Disease.....	12	8.3	6.2	-----	16.7	11.4	-----	16.7	16.0	-----
Transient Cerebral Ischemia.....	12	8.3	1.8	-----	16.7	3.9	-----	16.7	6.1	-----
Stroke.....	23	8.7	19.7	-----	13.0	26.5	-----	21.7	30.7	-----
Hip Fracture.....	20	15.0	6.0	-----	15.0	10.1	-----	15.0	13.3	-----
Sepsis.....	18	66.7	34.1	-----	77.8	42.5	-----	77.8	47.8	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	1.7	-----	0.0	3.6	-----	0.0	6.1	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	14	14.3	5.0	-----	14.3	8.6	-----	14.3	11.6	-----
Open Reduction of Hip Fracture.....	6	16.7	5.8	-----	16.7	10.3	-----	16.7	14.2	-----
Prostatectomy.....	16	0.0	0.8	-----	0.0	2.0	-----	0.0	3.6	-----
Cholecystectomy.....	7	0.0	5.4	-----	0.0	8.3	-----	0.0	9.9	-----
Hysterectomy.....	12	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# GERMANTOWN COMMUNITY HOSPITAL

Medicare Provider Number: 440170

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 77.0 years	Cancer..... 4.3 %
Proportion female..... 70.0 %	Chronic cardiovascular disease..... 41.5 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.9 %
Referred by personal or HMO physician..... 37.6 %	Chronic renal disease..... 2.3 %
Transferred from skilled nursing facility..... 6.2 %	Chronic pulmonary disease..... 14.5 %
Admitted for elective procedure..... 29.0 %	Cerebrovascular degeneration..... 9.3 %
Admitted for emergency..... 35.2 %	Diabetes mellitus..... 9.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 68.5%	Hospital ..... 9.5 Days
State ..... 8.8%	State ..... 8.1 Days
Outside State ..... 22.7%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)** - Survey Year 1991	
<b>PROFILE:</b> Total Beds ..... 120 Ownership/Control..... Private, For Profit Case Mix Index (CMI) ..... 1.2771 <b>STAFFING:</b> Medical Residents/Interns ..... 0 Registered Nurses..... 71 Licensed Practical Nurses ..... 14	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Coronary Care Unit ..... Yes Hospice Care ..... No Intensive Care Unit ..... Yes Organ Transplant ..... No Trauma Center ..... No <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GIBSON GENERAL HOSPITAL

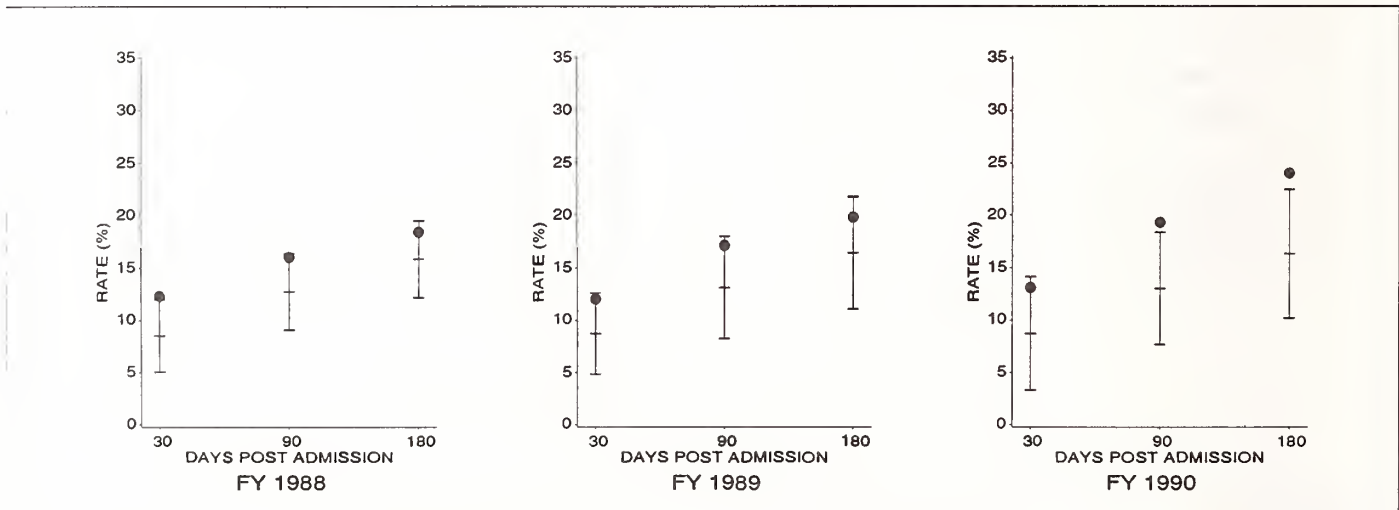
HOSPITAL DR  
TRENTON, TN 38382  
Medicare Provider Number: 440047

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	337	13.1	8.7	2.7	19.3	13.0	2.7	24.0	16.3	3.1
CONDITIONS:										
Acute Myocardial Infarction.....	10	30.0	32.5	-----	50.0	35.8	-----	50.0	38.9	-----
Congestive Heart Failure.....	36	8.3	13.5	-----	13.9	21.6	-----	27.8	27.9	-----
Pneumonia/Influenza.....	30	16.7	12.6	-----	16.7	17.1	-----	23.3	20.1	-----
Chronic Obstructive Pulmonary Disease.....	6	16.7	8.2	-----	16.7	14.4	-----	16.7	18.7	-----
Transient Cerebral Ischemia.....	8	12.5	1.8	-----	12.5	4.0	-----	12.5	6.5	-----
Stroke.....	15	13.3	20.3	-----	40.0	27.6	-----	46.7	32.4	-----
Hip Fracture.....	0									
Sepsis.....	4	50.0	42.2	-----	50.0	51.5	-----	100.0	57.6	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	7	0.0	1.5	-----	0.0	2.8	-----	0.0	3.7	-----
Hysterectomy.....	2	0.0	0.1	-----	0.0	0.1	-----	0.0	0.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GIBSON GENERAL HOSPITAL

Medicare Provider Number: 440047

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.0 years	Cancer..... 3.0 %
Proportion female..... 61.1 %	Chronic cardiovascular disease..... 27.6 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.3 %
Referred by personal or HMO physician..... 72.4 %	Chronic renal disease..... 1.5 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 10.4 %
Admitted for elective procedure..... 0.3 %	Cerebrovascular degeneration..... 4.7 %
Admitted for emergency..... 98.2 %	Diabetes mellitus..... 4.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 90.6%	Hospital ..... 7.2 Days
State ..... 8.3%	State ..... 8.1 Days
Outside State ..... 1.1%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 82 Occupancy Rate ..... 36.0 % Ownership/Control..... Private, For Profit Medicare Discharges .....(Not Available) Case Mix Index (CMI) ..... 0.9531	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 13 Percent of Physicians Board Certified Specialists .....(Not Available) Medical Residents/Interns ..... 0 Registered Nurses..... 22 Licensed Practical Nurses ..... 18	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... Yes Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# GOODLARK MEDICAL CENTER

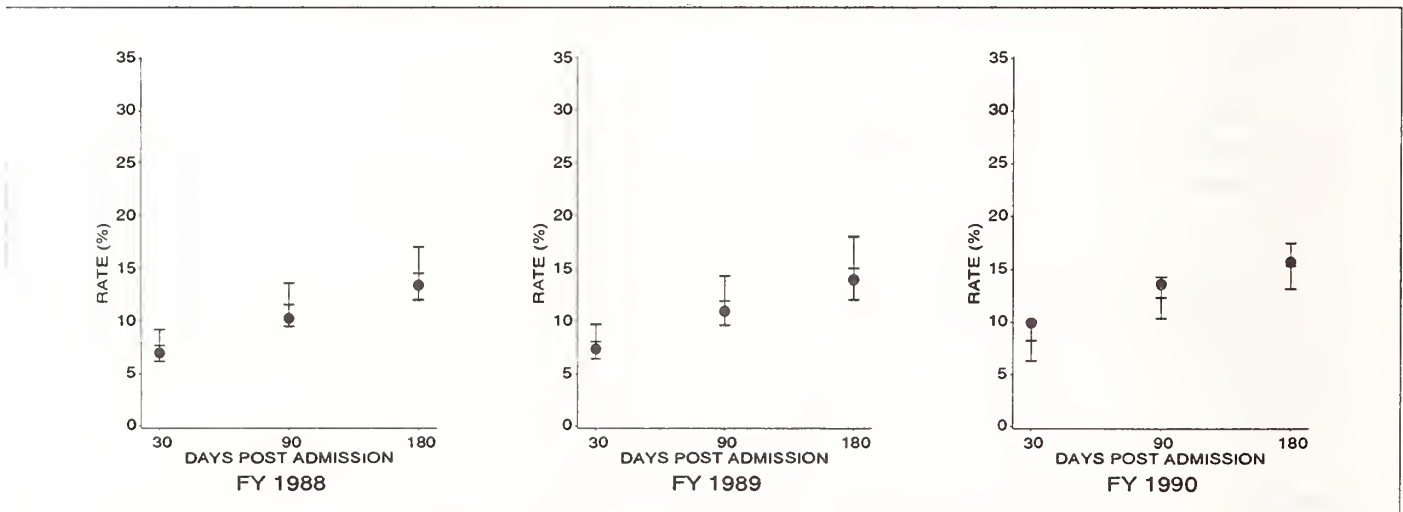
111 HIGHWAY 70 E  
DICKSON, TN 37055  
Medicare Provider Number: 440046

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1341	9.9	8.2	1.0	13.6	12.3	1.0	15.7	15.3	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	40	32.5	21.6	-----	35.0	24.2	-----	40.0	26.8	-----
Congestive Heart Failure.....	69	15.9	13.7	4.4	20.3	22.2	5.1	21.7	28.4	6.6
Pneumonia/Influenza.....	114	15.8	13.7	3.8	18.4	19.1	3.7	23.7	22.9	4.3
Chronic Obstructive Pulmonary Disease.....	37	2.7	6.2	-----	8.1	11.6	-----	13.5	16.0	-----
Transient Cerebral Ischemia.....	37	0.0	1.3	-----	2.7	2.9	-----	5.4	4.8	-----
Stroke.....	64	15.6	20.0	5.7	20.3	25.8	7.2	25.0	29.6	7.4
Hip Fracture.....	33	18.2	6.5	-----	18.2	11.7	-----	24.2	15.2	-----
Sepsis.....	28	32.1	33.0	-----	35.7	38.9	-----	42.9	43.2	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	20.0	6.1	-----	20.0	9.8	-----	20.0	13.0	-----
Carotid Endarterectomy.....	10	0.0	0.9	-----	0.0	1.8	-----	0.0	2.8	-----
Hip Replacement/Reconstruction.....	16	18.8	4.6	-----	18.8	8.7	-----	18.8	11.7	-----
Open Reduction of Hip Fracture.....	25	12.0	5.5	-----	12.0	10.3	-----	20.0	13.7	-----
Prostatectomy.....	39	0.0	0.6	-----	0.0	1.4	-----	0.0	2.4	-----
Cholecystectomy.....	31	0.0	2.5	-----	0.0	4.5	-----	0.0	5.8	-----
Hysterectomy.....	8	0.0	0.6	-----	0.0	1.6	-----	0.0	2.6	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**GOODLARK MEDICAL CENTER**  
 Medicare Provider Number: 440046

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	74.4 years	Cancer.....	5.1 %
Proportion female.....	54.0 %	Chronic cardiovascular disease.....	30.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.5 %
Referred by personal or HMO physician.....	50.6 %	Chronic renal disease.....	1.7 %
Transferred from skilled nursing facility.....	0.2 %	Chronic pulmonary disease.....	11.5 %
Admitted for elective procedure.....	45.0 %	Cerebrovascular degeneration.....	2.0 %
Admitted for emergency.....	9.7 %	Diabetes mellitus.....	11.3 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City.....	66.2%	Hospital.....	6.3 Days
State.....	32.2%	State.....	8.1 Days
Outside State.....	1.6%	National.....	8.6 Days
Total.....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:		
Total Beds.....	151	Burn Unit.....	No
Occupancy Rate.....	49.0 %	Cardiac Intensive Care.....	No
Ownership/Control.....	Private, Non-Profit	Comprehensive Geriatric.....	No
Medicare Discharges.....	41.2 %	Hospice Care.....	No
Case Mix Index (CMI).....	1.0284	Medical/Surgical Intensive Care.....	Yes
STAFFING:	Organ/Tissue Transplant.....	No	
Total Number of Physicians.....	32	Other Intensive Care.....	No
Percent of Physicians Board Certified Specialists.....	96.9 %	Trauma Center.....	No
Medical Residents/Interns.....	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses.....	23	Alcohol/Drug.....	Yes
Licensed Practical Nurses.....	13	Rehabilitation.....	No
		Psychiatric.....	Yes
		Medicare Swing Beds.....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HANCOCK COUNTY HOSPITAL

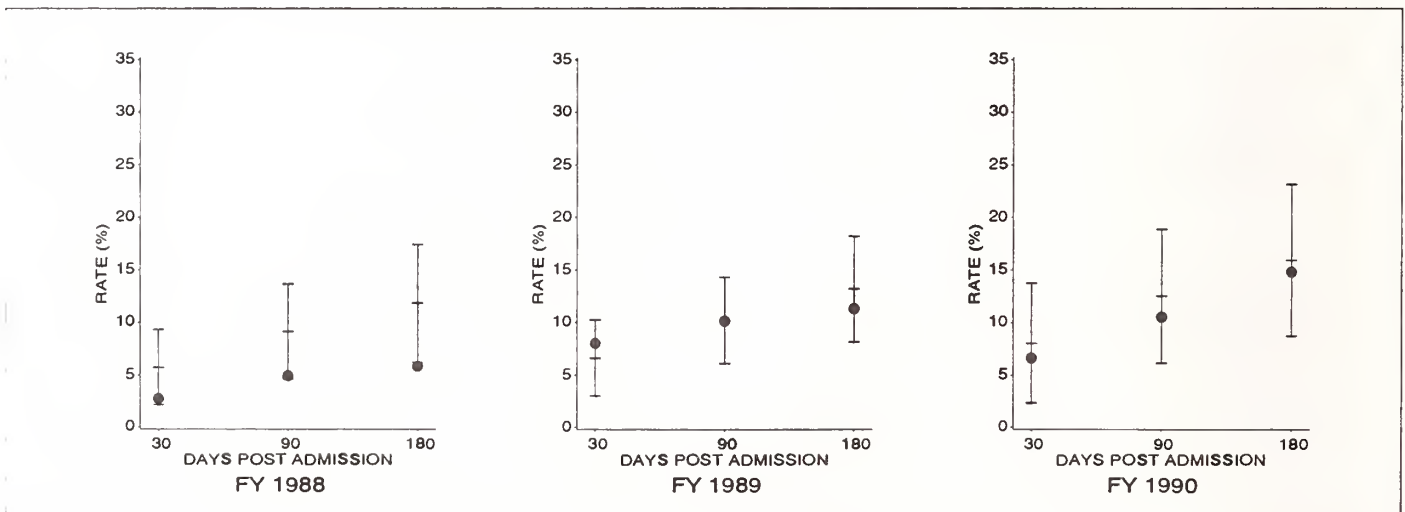
315 W MAIN ST, BOX 37  
SNEEDVILLE, TN 37869  
Medicare Provider Number: 440079

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	229	6.6	8.0	2.9	10.5	12.5	3.2	14.8	15.9	3.6
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	55.4	-----	0.0	58.8	-----	0.0	61.3	-----
Congestive Heart Failure.....	9	22.2	10.5	-----	22.2	17.8	-----	22.2	23.0	-----
Pneumonia/Influenza.....	25	16.0	19.1	-----	20.0	26.4	-----	20.0	30.3	-----
Chronic Obstructive Pulmonary Disease.....	23	4.3	8.8	-----	4.3	15.4	-----	8.7	20.8	-----
Transient Cerebral Ischemia.....	12	0.0	2.0	-----	8.3	4.7	-----	8.3	7.7	-----
Stroke.....	10	40.0	23.7	-----	50.0	31.1	-----	60.0	35.6	-----
Hip Fracture.....	1	0.0	12.5	-----	0.0	18.9	-----	0.0	21.9	-----
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HANCOCK COUNTY HOSPITAL

Medicare Provider Number: 440079

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	71.8 years	Cancer.....	2.6 %
Proportion female.....	52.0 %	Chronic cardiovascular disease.....	60.7 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.0 %
Referred by personal or HMO physician.....	64.2 %	Chronic renal disease.....	3.1 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	45.0 %
Admitted for elective procedure.....	0.0 %	Cerebrovascular degeneration.....	3.1 %
Admitted for emergency.....	1.3 %	Diabetes mellitus.....	8.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	77.7%	Hospital .....	7.0 Days
State .....	17.4%	State .....	8.1 Days
Outside State .....	4.9%	National .....	8.6 Days
Total .....	100.0%		

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	
Total Beds .....	31
Occupancy Rate .....	45.0 %
Ownership/Control.....	Local Government
Medicare Discharges .....	57.3 %
Case Mix Index (CMI) .....	0.8571
<b>STAFFING:</b>	
Total Number of Physicians.....	(Not Available)
Percent of Physicians Board Certified Specialists .....	(Not Available)
Medical Residents/Interns .....	(Not Available)
Registered Nurses.....	(Not Available)
Licensed Practical Nurses .....	(Not Available)
<b>SPECIALTY SERVICES:</b>	
Burn Unit .....	No
Cardiac Intensive Care .....	No
Comprehensive Geriatric .....	No
Hospice Care .....	No
Medical/Surgical Intensive Care .....	No
Organ/Tissue Transplant .....	No
Other Intensive Care .....	No
Trauma Center .....	No
<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
Alcohol/Drug .....	No
Rehabilitation.....	No
Psychiatric .....	No
Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HARDIN COUNTY GENERAL HOSPITAL

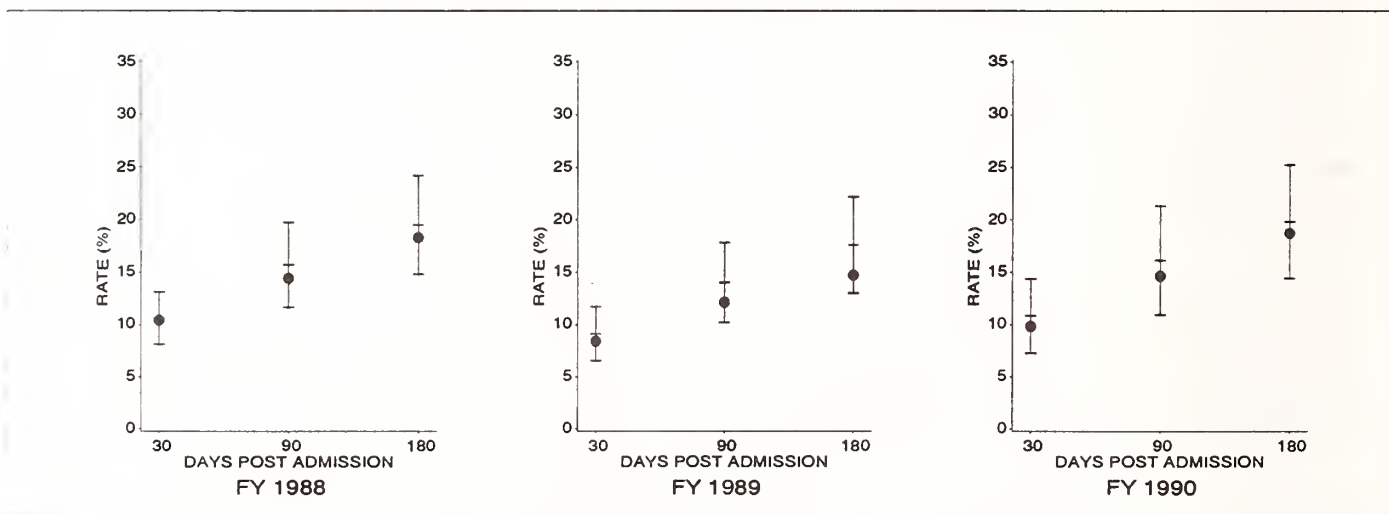
2006 WAYNE RD  
SAVANNAH, TN 38372  
Medicare Provider Number: 440109

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	611	9.8	10.8	1.8	14.6	16.1	2.6	18.7	19.8	2.7
CONDITIONS:										
Acute Myocardial Infarction.....	18	55.6	40.8	-----	55.6	44.1	-----	61.1	47.7	-----
Congestive Heart Failure.....	47	8.5	14.8	-----	17.0	23.1	-----	23.4	29.0	-----
Pneumonia/Influenza.....	49	14.3	14.6	-----	18.4	20.0	-----	22.4	23.5	-----
Chronic Obstructive Pulmonary Disease.....	18	0.0	4.4	-----	5.6	9.1	-----	11.1	13.2	-----
Transient Cerebral Ischemia.....	14	0.0	1.9	-----	7.1	4.3	-----	7.1	7.0	-----
Stroke.....	33	9.1	22.2	-----	15.2	30.6	-----	24.2	35.0	-----
Hip Fracture.....	3	0.0	9.7	-----	0.0	19.4	-----	0.0	25.7	-----
Sepsis.....	3	33.3	19.1	-----	33.3	29.6	-----	33.3	34.9	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	4.9	-----	0.0	9.7	-----	0.0	12.6	-----
Open Reduction of Hip Fracture.....	1	0.0	8.1	-----	0.0	18.2	-----	0.0	26.3	-----
Prostatectomy.....	0									
Cholecystectomy.....	5	0.0	2.7	-----	0.0	5.5	-----	20.0	7.3	-----
Hysterectomy.....	1	0.0	0.3	-----	0.0	0.6	-----	0.0	0.9	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HARDIN COUNTY GENERAL HOSPITAL

Medicare Provider Number: 440109

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.6 years	Cancer..... 3.4 %
Proportion female..... 57.3 %	Chronic cardiovascular disease..... 39.1 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 1.0 %
Referred by personal or HMO physician..... 39.4 %	Chronic renal disease..... 3.3 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 15.7 %
Admitted for elective procedure..... 2.3 %	Cerebrovascular degeneration..... 6.1 %
Admitted for emergency..... 3.1 %	Diabetes mellitus..... 11.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 75.5%	Hospital ..... 5.6 Days
State ..... 20.4%	State ..... 8.1 Days
Outside State ..... 4.1%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 132	Burn Unit ..... No
Occupancy Rate ..... 60.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Local Government	Comprehensive Geriatric ..... Yes
Medicare Discharges ..... 40.6 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.0352	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 12	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 58.3 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 35	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 30	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HARRIMAN CITY HOSPITAL

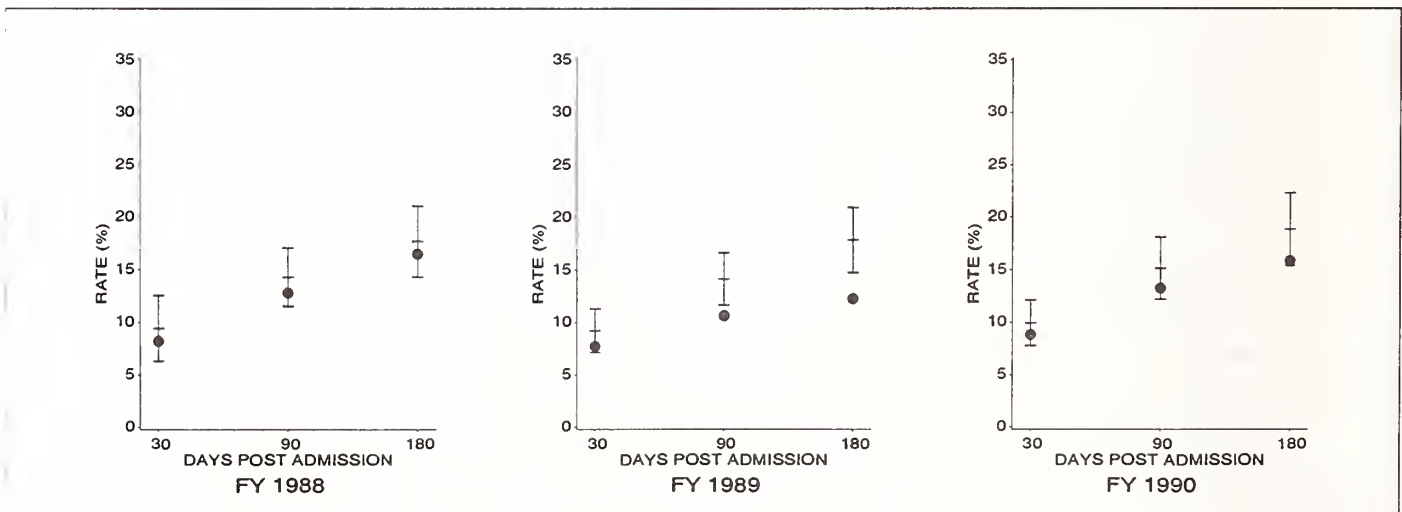
414 DEVONIA ST  
HARRIMAN, TN 37748  
Medicare Provider Number: 440031

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	854	8.8	9.9	1.1	13.2	15.1	1.5	15.8	18.8	1.7
CONDITIONS:										
Acute Myocardial Infarction.....	13	38.5	24.8	-----	38.5	27.9	-----	46.2	30.6	-----
Congestive Heart Failure.....	44	9.1	13.7	-----	15.9	21.9	-----	18.2	28.1	-----
Pneumonia/Influenza.....	64	10.9	15.6	5.8	12.5	21.5	7.6	15.6	25.5	8.2
Chronic Obstructive Pulmonary Disease.....	51	3.9	6.0	4.2	7.8	11.4	6.5	11.8	15.7	7.9
Transient Cerebral Ischemia.....	9	0.0	2.0	-----	0.0	4.4	-----	0.0	7.1	-----
Stroke.....	23	34.8	28.8	-----	47.8	34.1	-----	47.8	37.3	-----
Hip Fracture.....	11	9.1	7.5	-----	27.3	13.0	-----	36.4	17.3	-----
Sepsis.....	20	25.0	34.3	-----	30.0	42.8	-----	35.0	47.2	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	2	0.0	7.6	-----	0.0	12.7	-----	0.0	16.5	-----
Open Reduction of Hip Fracture.....	8	12.5	5.5	-----	25.0	10.0	-----	25.0	13.8	-----
Prostatectomy.....	8	0.0	0.7	-----	0.0	1.8	-----	12.5	3.2	-----
Cholecystectomy.....	12	8.3	3.4	-----	8.3	6.6	-----	8.3	9.3	-----
Hysterectomy.....	1	0.0	0.1	-----	0.0	0.3	-----	0.0	0.6	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HARRIMAN CITY HOSPITAL

Medicare Provider Number: 440031

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.0 years	Cancer..... 4.0 %
Proportion female..... 62.6 %	Chronic cardiovascular disease..... 34.5 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.4 %
Referred by personal or HMO physician..... 33.8 %	Chronic renal disease..... 0.6 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 27.8 %
Admitted for elective procedure..... 2.0 %	Cerebrovascular degeneration..... 8.5 %
Admitted for emergency..... 75.4 %	Diabetes mellitus..... 10.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 76.5%	Hospital ..... 6.4 Days
State ..... 21.9%	State ..... 8.1 Days
Outside State ..... 1.6%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 82	Burn Unit ..... No
Occupancy Rate ..... 54.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Local Government	Comprehensive Geriatric ..... No
Medicare Discharges ..... 48.6 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.0563	Medical/Surgical Intensive Care..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 14	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 57.1 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 29	Alcohol/Drug..... No
Licensed Practical Nurses..... 46	Rehabilitation..... No
	Psychiatric..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HARTSVILLE GENERAL HOSPITAL

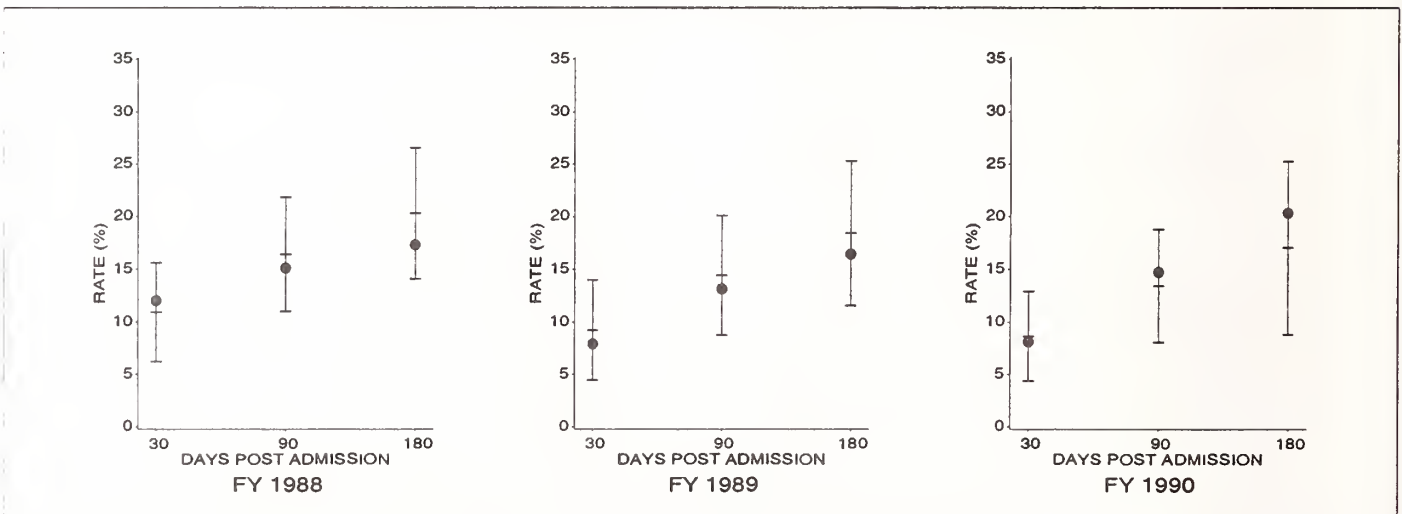
500 CHURCH ST  
HARTSVILLE, TN 37074  
Medicare Provider Number: 440196

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	197	8.1	8.6	2.1	14.7	13.4	2.7	20.3	17.0	4.1
CONDITIONS:										
Acute Myocardial Infarction.....	3	33.3	38.7	-----	33.3	42.6	-----	33.3	47.3	-----
Congestive Heart Failure.....	13	30.8	17.8	-----	30.8	27.7	-----	38.5	34.0	-----
Pneumonia/Influenza.....	25	16.0	17.5	-----	28.0	23.9	-----	28.0	27.6	-----
Chronic Obstructive Pulmonary Disease.....	7	14.3	5.0	-----	42.9	10.8	-----	57.1	16.4	-----
Transient Cerebral Ischemia.....	5	0.0	1.9	-----	0.0	4.3	-----	0.0	7.1	-----
Stroke.....	2	50.0	18.3	-----	50.0	23.1	-----	50.0	26.6	-----
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	0.6	-----	0.0	0.9	-----	0.0	1.3	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HARTSVILLE GENERAL HOSPITAL

Medicare Provider Number: 440196

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.9 years

Proportion female..... 61.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 49.7 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 0.0 %

Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 5.6 %

Chronic cardiovascular disease..... 30.5 %

Chronic liver disease..... 0.5 %

Chronic renal disease..... 0.5 %

Chronic pulmonary disease..... 35.0 %

Cerebrovascular degeneration..... 6.6 %

Diabetes mellitus..... 7.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 71.4%

State ..... 28.1%

Outside State ..... 0.5%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days

State ..... 8.1 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 26

Occupancy Rate ..... 50.0 %

Ownership/Control..... Private, For Profit

Medicare Discharges .....(Not Available)

Case Mix Index (CMI) ..... 1.0300

### STAFFING:

Total Number of Physicians..... (Not Available)

Percent of Physicians Board Certified Specialists .....(Not Available)

Medical Residents/Interns ..... (Not Available)

Registered Nurses..... (Not Available)

Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... No

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HAWKINS COUNTY MEMORIAL HOSPITAL

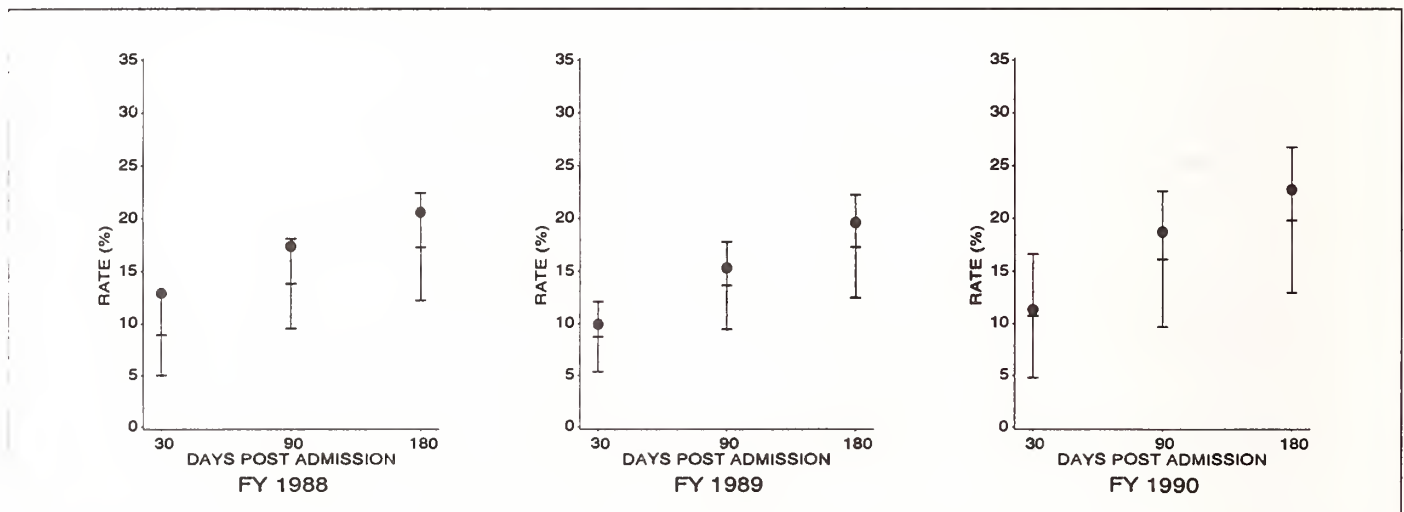
LOCUST ST  
ROGERSVILLE, TN 37857  
Medicare Provider Number: 440032

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	379	11.3	10.7	3.0	18.7	16.1	3.2	22.7	19.8	3.5
CONDITIONS:										
Acute Myocardial Infarction.....	9	11.1	38.5	-----	11.1	43.1	-----	22.2	47.1	-----
Congestive Heart Failure.....	18	22.2	15.6	-----	38.9	24.1	-----	38.9	30.5	-----
Pneumonia/Influenza.....	27	29.6	17.2	-----	40.7	24.3	-----	40.7	28.3	-----
Chronic Obstructive Pulmonary Disease.....	19	0.0	6.1	-----	5.3	11.4	-----	10.5	15.5	-----
Transient Cerebral Ischemia.....	8	0.0	1.8	-----	12.5	4.1	-----	12.5	7.0	-----
Stroke.....	9	11.1	18.2	-----	55.6	23.2	-----	55.6	26.7	-----
Hip Fracture.....	0									
Sepsis.....	4	0.0	29.4	-----	25.0	44.1	-----	25.0	50.8	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	2	0.0	0.3	-----	0.0	0.6	-----	0.0	0.8	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (°) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HAWKINS COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 440032

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

<p><b>DEMOGRAPHICS:</b></p> <p>Average age at admission..... 74.6 years</p> <p>Proportion female..... 57.5 %</p> <p><b>ADMISSION SOURCES/TYPES:</b></p> <p>Referred by personal or HMO physician..... 34.8 %</p> <p>Transferred from skilled nursing facility..... 0.0 %</p> <p>Admitted for elective procedure..... 1.6 %</p> <p>Admitted for emergency..... 62.0 %</p>	<p><b>COMORBIDITIES:</b></p> <p>Cancer..... 5.3 %</p> <p>Chronic cardiovascular disease..... 26.4 %</p> <p>Chronic liver disease..... 0.3 %</p> <p>Chronic renal disease..... 1.1 %</p> <p>Chronic pulmonary disease..... 17.9 %</p> <p>Cerebrovascular degeneration..... 4.2 %</p> <p>Diabetes mellitus..... 9.0 %</p>
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## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

<p><b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b></p> <p>County/City ..... 86.8%</p> <p>State ..... 11.8%</p> <p>Outside State ..... 1.4%</p> <p>Total ..... 100.0%</p>	<p><b>MEDICARE AVERAGE LENGTH OF STAY:</b></p> <p>Hospital ..... 6.8 Days</p> <p>State ..... 8.1 Days</p> <p>National ..... 8.6 Days</p>
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## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<p><b>PROFILE:</b></p> <p>Total Beds ..... 55</p> <p>Occupancy Rate ..... 58.0 %</p> <p>Ownership/Control..... Local Government</p> <p>Medicare Discharges ..... 52.1 %</p> <p>Case Mix Index (CMI) ..... 0.9829</p> <p><b>STAFFING:</b></p> <p>Total Number of Physicians..... 12</p> <p>Percent of Physicians Board Certified Specialists ..... 8.3 %</p> <p>Medical Residents/Interns ..... 0</p> <p>Registered Nurses..... 17</p> <p>Licensed Practical Nurses ..... 15</p>	<p><b>SPECIALTY SERVICES:</b></p> <p>Burn Unit ..... No</p> <p>Cardiac Intensive Care ..... No</p> <p>Comprehensive Geriatric ..... No</p> <p>Hospice Care ..... No</p> <p>Medical/Surgical Intensive Care ..... No</p> <p>Organ/Tissue Transplant ..... No</p> <p>Other Intensive Care ..... No</p> <p>Trauma Center ..... No</p> <p><b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b></p> <p>Alcohol/Drug ..... No</p> <p>Rehabilitation..... No</p> <p>Psychiatric ..... No</p> <p>Medicare Swing Beds ..... Yes</p>
** Except for CMI	

\* Not used in calculating mortality rates

# HAYWOOD PARK GENERAL HOSPITAL

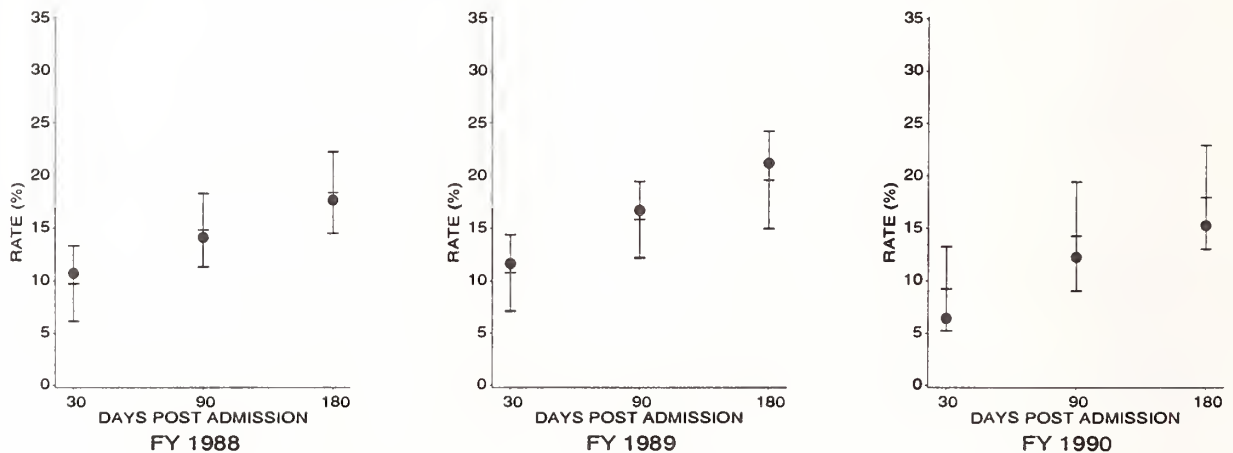
2545 N WASHINGTON AVE  
BROWNSVILLE, TN 38012  
Medicare Provider Number: 440174

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	435	6.4	9.2	2.0	12.2	14.2	2.6	15.2	17.9	2.5
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	44.5	-----	0.0	47.9	-----	0.0	51.3	-----
Congestive Heart Failure.....	28	17.9	18.4	-----	32.1	28.5	-----	35.7	34.9	-----
Pneumonia/Influenza.....	23	13.0	19.1	-----	21.7	25.6	-----	26.1	29.1	-----
Chronic Obstructive Pulmonary Disease.....	11	9.1	10.4	-----	9.1	17.0	-----	18.2	21.6	-----
Transient Cerebral Ischemia.....	14	0.0	1.8	-----	0.0	3.8	-----	0.0	6.1	-----
Stroke.....	17	23.5	22.0	-----	29.4	27.3	-----	29.4	31.3	-----
Hip Fracture.....	0									
Sepsis.....	1	100.0	32.6	-----	100.0	36.9	-----	100.0	40.3	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	11	0.0	0.8	-----	0.0	2.0	-----	0.0	3.4	-----
Cholecystectomy.....	4	0.0	4.7	-----	25.0	8.6	-----	25.0	10.6	-----
Hysterectomy.....	1	0.0	0.1	-----	0.0	0.1	-----	0.0	0.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HAYWOOD PARK GENERAL HOSPITAL

Medicare Provider Number: 440174

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.7 years	Cancer..... 5.5 %
Proportion female..... 58.2 %	Chronic cardiovascular disease..... 50.1 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.5 %
Referred by personal or HMO physician..... 43.9 %	Chronic renal disease..... 9.0 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 18.4 %
Admitted for elective procedure..... 0.5 %	Cerebrovascular degeneration..... 4.6 %
Admitted for emergency..... 52.9 %	Diabetes mellitus..... 8.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 73.7%	Hospital ..... 5.4 Days
State ..... 25.6%	State ..... 8.1 Days
Outside State ..... 0.7%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 52 Occupancy Rate ..... 34.0 % Ownership/Control..... Private, For Profit Medicare Discharges ..... 46.7 % Case Mix Index (CMI) ..... 0.9077	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... No Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 6 Percent of Physicians Board Certified Specialists..... 33.3 % Medical Residents/Interns ..... 0 Registered Nurses..... 12 Licensed Practical Nurses..... 11	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... Yes
** Except for CMI	

\* Not used in calculating mortality rates

# HCA DONELSON HOSPITAL

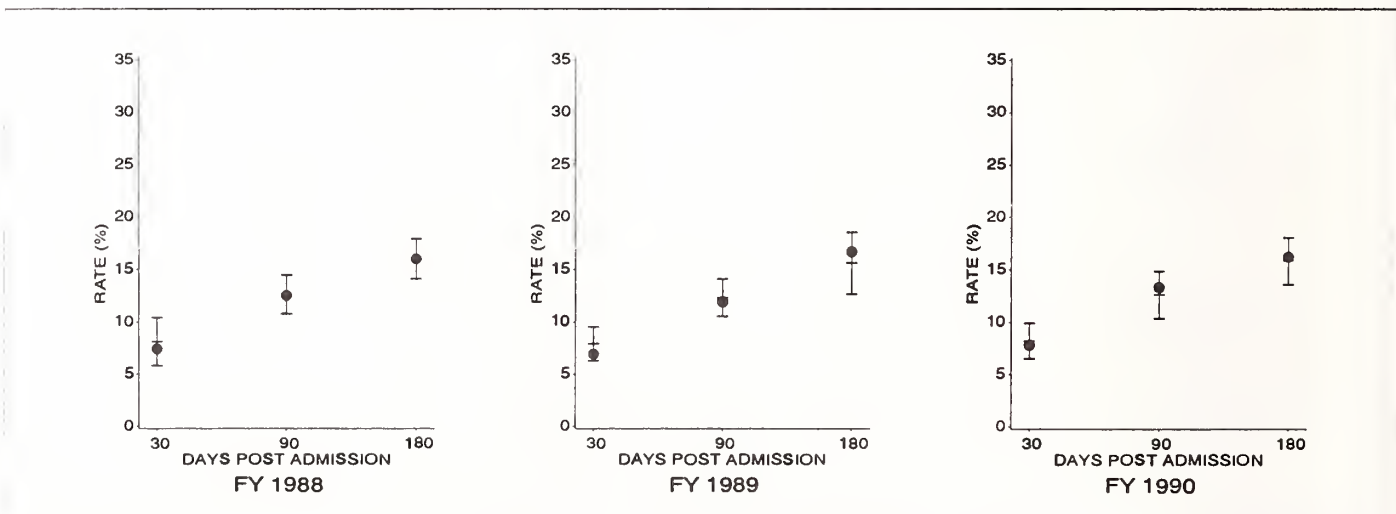
3055 LEBANON RD  
 NASHVILLE, TN 37214  
 Medicare Provider Number: 440150

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1394	7.8	8.2	0.9	13.3	12.6	1.1	16.2	15.8	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	47	23.4	23.6	-----	27.7	26.6	-----	34.0	29.4	-----
Congestive Heart Failure.....	66	13.6	13.6	5.1	19.7	21.7	5.7	24.2	27.6	6.3
Pneumonia/Influenza.....	100	14.0	15.4	4.0	23.0	21.3	4.3	27.0	25.1	4.6
Chronic Obstructive Pulmonary Disease.....	7	14.3	9.0	-----	14.3	16.6	-----	14.3	21.7	-----
Transient Cerebral Ischemia.....	18	0.0	1.7	-----	5.6	3.9	-----	5.6	6.4	-----
Stroke.....	39	17.9	19.7	-----	28.2	27.1	-----	28.2	31.1	-----
Hip Fracture.....	49	4.1	6.4	-----	16.3	11.3	-----	20.4	14.7	-----
Sepsis.....	11	18.2	23.1	-----	27.3	31.0	-----	27.3	35.0	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	9	0.0	5.2	-----	11.1	9.0	-----	11.1	11.6	-----
Carotid Endarterectomy.....	7	0.0	1.1	-----	0.0	2.1	-----	0.0	3.1	-----
Hip Replacement/Reconstruction.....	28	0.0	5.0	-----	14.3	8.9	-----	17.9	11.6	-----
Open Reduction of Hip Fracture.....	25	8.0	5.1	-----	20.0	9.6	-----	24.0	12.9	-----
Prostatectomy.....	43	4.7	0.6	-----	4.7	1.5	-----	4.7	2.7	-----
Cholecystectomy.....	42	4.8	2.9	-----	9.5	5.8	-----	11.9	7.9	-----
Hysterectomy.....	5	0.0	0.7	-----	0.0	1.4	-----	0.0	2.4	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (°) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HCA DONELSON HOSPITAL

Medicare Provider Number: 440150

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.5 years  
 Proportion female..... 59.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.6 %  
 Transferred from skilled nursing facility..... 0.1 %  
 Admitted for elective procedure..... 23.5 %  
 Admitted for emergency..... 48.4 %

### COMORBIDITIES:

Cancer..... 6.0 %  
 Chronic cardiovascular disease..... 30.5 %  
 Chronic liver disease..... 0.8 %  
 Chronic renal disease..... 1.1 %  
 Chronic pulmonary disease..... 11.9 %  
 Cerebrovascular degeneration..... 5.2 %  
 Diabetes mellitus..... 8.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 71.9%  
 State ..... 23.3%  
 Outside State ..... 4.8%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.3 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 158  
 Occupancy Rate ..... 80.0 %  
 Ownership/Control..... Private, For Profit  
 Medicare Discharges ..... 32.4 %  
 Case Mix Index (CMI) ..... 1.2835

### STAFFING:

Total Number of Physicians..... 107  
 Percent of Physicians Board  
 Certified Specialists ..... 73.8 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 165  
 Licensed Practical Nurses ..... 68

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... No  
 Psychiatric..... Yes  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HCA SOUTHERN HILLS HOSPITAL

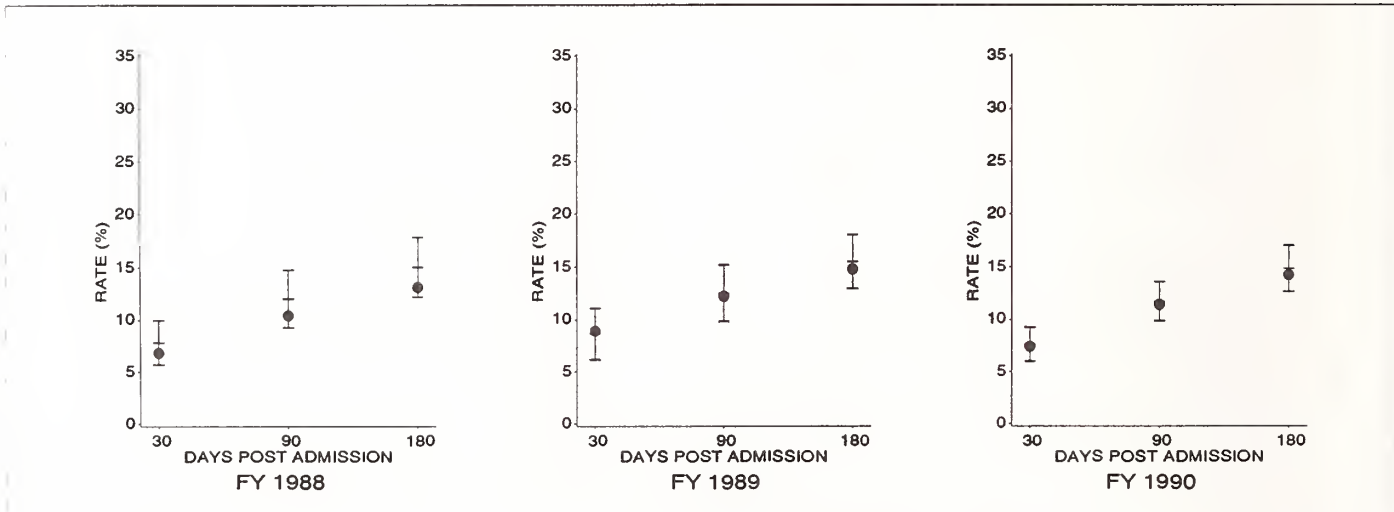
391 WALLACE RD  
NASHVILLE, TN 37211  
Medicare Provider Number: 440197

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1277	7.4	7.6	0.8	11.4	11.7	0.9	14.2	14.8	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	32	37.5	24.9	-----	43.8	28.2	-----	43.8	30.9	-----
Congestive Heart Failure.....	57	15.8	13.6	4.8	26.3	21.8	7.4	33.3	28.0	8.8
Pneumonia/Influenza.....	53	18.9	15.7	10.3	24.5	21.7	10.2	30.2	25.4	10.3
Chronic Obstructive Pulmonary Disease.....	15	13.3	6.1	-----	33.3	11.1	-----	33.3	14.7	-----
Transient Cerebral Ischemia.....	22	0.0	2.0	-----	4.5	4.4	-----	4.5	7.1	-----
Stroke.....	42	14.3	21.5	-----	28.6	27.3	-----	33.3	30.7	-----
Hip Fracture.....	41	4.9	6.5	-----	7.3	11.3	-----	7.3	14.5	-----
Sepsis.....	9	11.1	23.9	-----	11.1	31.6	-----	11.1	36.3	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	9	0.0	2.1	-----	0.0	4.7	-----	0.0	7.3	-----
Carotid Endarterectomy.....	9	0.0	1.3	-----	0.0	2.6	-----	0.0	3.6	-----
Hip Replacement/Reconstruction.....	27	7.4	4.2	-----	7.4	7.9	-----	7.4	10.6	-----
Open Reduction of Hip Fracture.....	20	0.0	5.6	-----	5.0	9.8	-----	5.0	12.7	-----
Prostatectomy.....	26	3.8	0.7	-----	7.7	1.8	-----	7.7	3.1	-----
Cholecystectomy.....	36	2.8	2.0	-----	8.3	3.9	-----	11.1	5.4	-----
Hysterectomy.....	10	0.0	1.0	-----	0.0	2.4	-----	0.0	4.0	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HCA SOUTHERN HILLS HOSPITAL

Medicare Provider Number: 440197

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 73.7 years	Cancer..... 5.7 %
Proportion female..... 61.4 %	Chronic cardiovascular disease..... 31.9 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.5 %
Referred by personal or HMO physician..... 49.5 %	Chronic renal disease..... 3.8 %
Transferred from skilled nursing facility..... 0.1 %	Chronic pulmonary disease..... 16.0 %
Admitted for elective procedure..... 23.8 %	Cerebrovascular degeneration..... 3.5 %
Admitted for emergency..... 46.6 %	Diabetes mellitus..... 6.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 66.4%	Hospital ..... 6.8 Days
State ..... 29.1%	State ..... 8.1 Days
Outside State ..... 4.5%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 146	Burn Unit ..... No
Occupancy Rate ..... 60.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 29.0 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.2568	Medical/Surgical Intensive Care ..... Yes
STAFFING:	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 106	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 76.4 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses..... 142	Alcohol/Drug..... No
Licensed Practical Nurses..... 32	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HCA VOLUNTEER GENERAL HOSPITAL

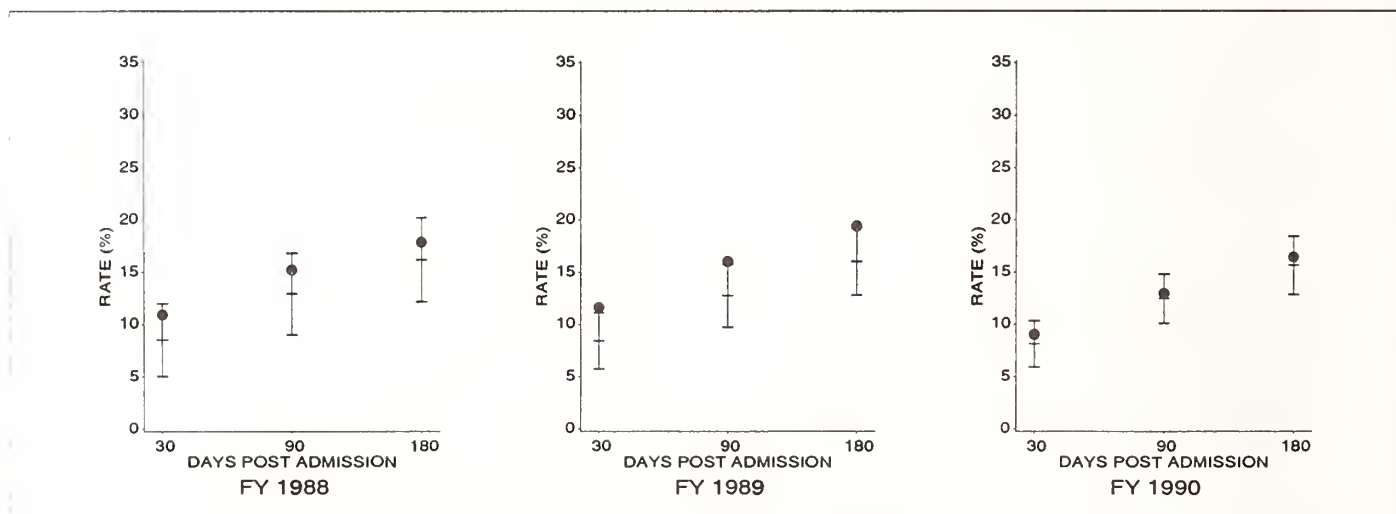
161 MOUNT PELIA RD  
MARTIN, TN 38237  
Medicare Provider Number: 440061

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	856	9.0	8.1	1.1	12.9	12.4	1.2	16.4	15.6	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	23	39.1	28.9	-----	39.1	32.6	-----	47.8	35.7	-----
Congestive Heart Failure.....	44	27.3	15.0	-----	38.6	23.8	-----	38.6	30.3	-----
Pneumonia/Influenza.....	66	13.6	13.4	4.2	16.7	18.6	5.9	18.2	21.8	6.8
Chronic Obstructive Pulmonary Disease.....	16	6.3	5.5	-----	12.5	10.3	-----	12.5	14.2	-----
Transient Cerebral Ischemia.....	23	4.3	1.4	-----	4.3	3.3	-----	13.0	5.4	-----
Stroke.....	55	27.3	19.6	9.4	32.7	26.4	8.9	36.4	30.8	9.8
Hip Fracture.....	34	0.0	5.1	-----	2.9	9.3	-----	2.9	12.3	-----
Sepsis.....	13	30.8	22.9	-----	46.2	30.0	-----	46.2	34.2	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	0.7	-----	0.0	1.5	-----	0.0	2.8	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	17	0.0	2.6	-----	0.0	5.2	-----	0.0	7.3	-----
Open Reduction of Hip Fracture.....	16	0.0	5.0	-----	0.0	9.2	-----	0.0	12.1	-----
Prostatectomy.....	10	0.0	0.9	-----	10.0	2.0	-----	10.0	3.5	-----
Cholecystectomy.....	26	3.8	2.4	-----	3.8	4.0	-----	3.8	4.9	-----
Hysterectomy.....	2	0.0	0.1	-----	0.0	0.1	-----	0.0	0.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HCA VOLUNTEER GENERAL HOSPITAL

Medicare Provider Number: 440061

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 76.5 years	Cancer..... 4.7 %
Proportion female..... 61.1 %	Chronic cardiovascular disease..... 39.6 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 1.3 %
Referred by personal or HMO physician..... 98.9 %	Chronic renal disease..... 2.1 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 15.9 %
Admitted for elective procedure..... 13.0 %	Cerebrovascular degeneration..... 5.3 %
Admitted for emergency..... 0.1 %	Diabetes mellitus..... 6.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 79.2%	Hospital ..... 7.0 Days
State ..... 14.5%	State ..... 8.1 Days
Outside State ..... 6.3%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 100 Occupancy Rate ..... 46.0 % Ownership/Control..... Private, For Profit Medicare Discharges ..... 44.4 % Case Mix Index (CMI) ..... 1.1038  <b>STAFFING:</b> Total Number of Physicians..... 23 Percent of Physicians Board Certified Specialists..... 65.2 % Medical Residents/Interns ..... 0 Registered Nurses..... 44 Licensed Practical Nurses ..... 37	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... Yes Other Intensive Care ..... No Trauma Center ..... No  <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HENDERSONVILLE COMMUNITY HOSPITAL

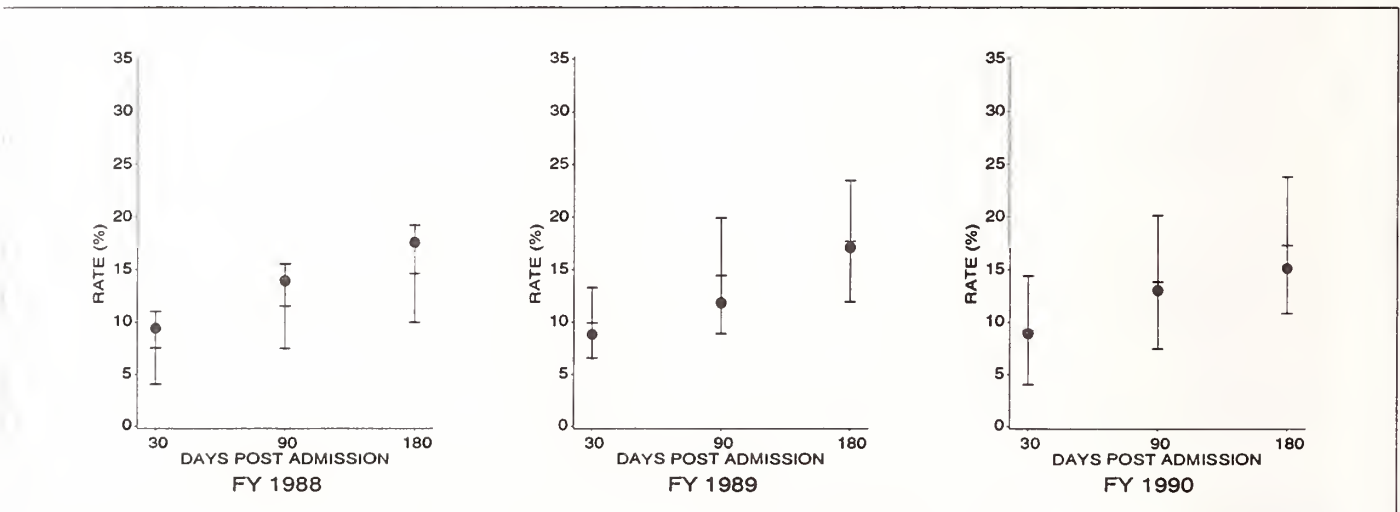
355 NEW SHACKLE ISLAND RD  
HENDERSONVILLE, TN 37075  
Medicare Provider Number: 440194

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	437	8.9	9.2	2.6	13.0	13.8	3.2	15.1	17.3	3.3
CONDITIONS:										
Acute Myocardial Infarction.....	17	23.5	24.9	-----	41.2	27.3	-----	41.2	30.1	-----
Congestive Heart Failure.....	26	11.5	15.5	-----	30.8	24.1	-----	34.6	30.0	-----
Pneumonia/Influenza.....	27	7.4	13.6	-----	7.4	19.0	-----	14.8	22.8	-----
Chronic Obstructive Pulmonary Disease.....	17	0.0	8.1	-----	5.9	14.6	-----	11.8	19.1	-----
Transient Cerebral Ischemia.....	12	0.0	1.7	-----	0.0	3.7	-----	0.0	5.8	-----
Stroke.....	23	21.7	17.6	-----	26.1	23.9	-----	30.4	27.5	-----
Hip Fracture.....	14	35.7	9.0	-----	35.7	15.2	-----	35.7	19.0	-----
Sepsis.....	6	0.0	19.0	-----	0.0	22.5	-----	0.0	25.6	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	10	20.0	6.1	-----	20.0	10.7	-----	20.0	14.0	-----
Open Reduction of Hip Fracture.....	5	60.0	9.4	-----	60.0	16.6	-----	60.0	20.7	-----
Prostatectomy.....	5	0.0	0.3	-----	0.0	0.7	-----	0.0	1.1	-----
Cholecystectomy.....	6	0.0	1.5	-----	0.0	2.7	-----	0.0	3.4	-----
Hysterectomy.....	2	0.0	0.8	-----	0.0	1.9	-----	0.0	3.4	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HENDERSONVILLE COMMUNITY HOSPITAL

Medicare Provider Number: 440194

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.8 years	Cancer..... 5.0 %
Proportion female..... 62.7 %	Chronic cardiovascular disease..... 41.6 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.2 %
Referred by personal or HMO physician..... 45.5 %	Chronic renal disease..... 2.3 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 17.4 %
Admitted for elective procedure..... 13.0 %	Cerebrovascular degeneration..... 6.6 %
Admitted for emergency..... 53.3 %	Diabetes mellitus..... 8.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 73.9%	Hospital ..... 7.5 Days
State ..... 20.1%	State ..... 8.1 Days
Outside State ..... 6.0%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 80	Burn Unit ..... No
Occupancy Rate ..... 45.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 25.5 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.2111	Medical/Surgical Intensive Care ..... Yes
STAFFING:	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 66	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 80.3 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses..... 70	Alcohol/Drug..... No
Licensed Practical Nurses ..... 8	Rehabilitation..... No
	Psychiatric ..... Yes
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HENRY COUNTY GENERAL HOSPITAL

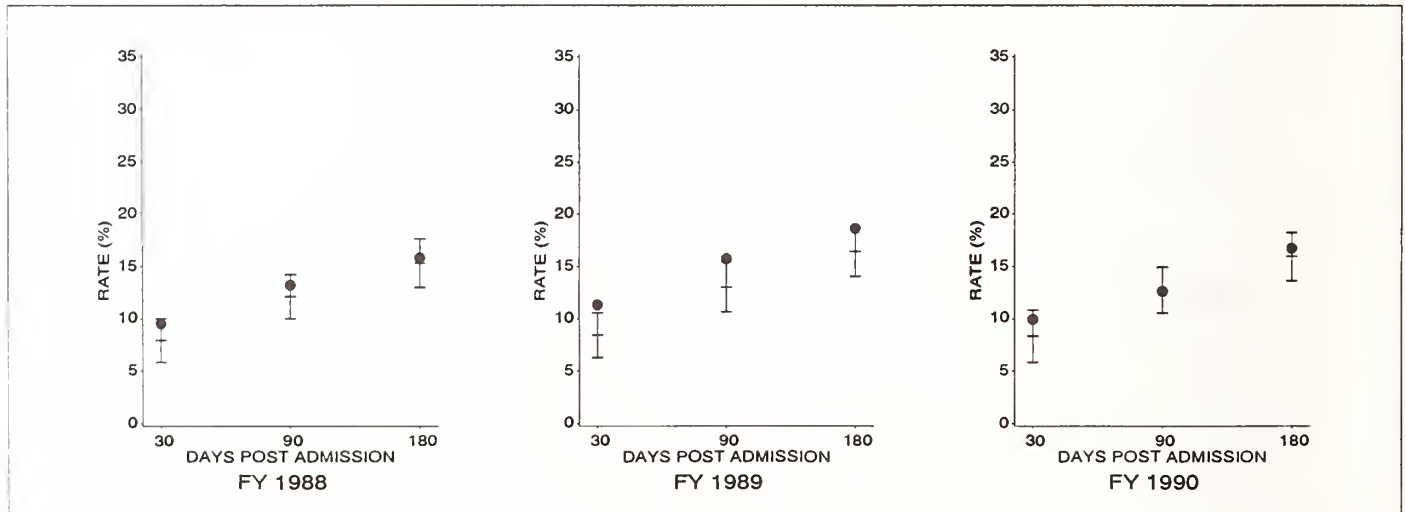
301 TYSON AV  
PARIS, TN 38242  
Medicare Provider Number: 440132

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1101	9.9	8.3	1.2	12.6	12.7	1.1	16.7	15.9	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	27	25.9	29.5	-----	29.6	32.3	-----	37.0	35.1	-----
Congestive Heart Failure.....	68	13.2	11.9	4.1	14.7	19.8	6.2	23.5	25.8	5.6
Pneumonia/Influenza.....	113	20.4	16.1	5.6	23.9	22.1	4.8	26.5	25.7	4.9
Chronic Obstructive Pulmonary Disease.....	32	3.1	5.8	-----	3.1	10.3	-----	12.5	14.3	-----
Transient Cerebral Ischemia.....	17	5.9	1.4	-----	5.9	3.3	-----	5.9	5.6	-----
Stroke.....	47	12.8	19.8	-----	14.9	26.2	-----	21.3	30.1	-----
Hip Fracture.....	30	10.0	5.8	-----	16.7	10.5	-----	23.3	13.9	-----
Sepsis.....	5	40.0	22.6	-----	40.0	29.1	-----	60.0	34.0	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	9	11.1	3.2	-----	11.1	5.8	-----	11.1	7.9	-----
Open Reduction of Hip Fracture.....	21	4.8	5.4	-----	14.3	10.4	-----	23.8	14.1	-----
Prostatectomy.....	19	5.3	1.1	-----	5.3	2.5	-----	5.3	4.3	-----
Cholecystectomy.....	12	0.0	0.7	-----	0.0	1.4	-----	0.0	1.9	-----
Hysterectomy.....	7	0.0	0.1	-----	0.0	0.3	-----	0.0	0.5	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HENRY COUNTY GENERAL HOSPITAL

Medicare Provider Number: 440132

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.6 years	Cancer..... 6.3 %
Proportion female..... 57.7 %	Chronic cardiovascular disease..... 30.8 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.5 %
Referred by personal or HMO physician..... 48.3 %	Chronic renal disease..... 1.9 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 12.1 %
Admitted for elective procedure..... 33.2 %	Cerebrovascular degeneration..... 4.1 %
Admitted for emergency..... 54.0 %	Diabetes mellitus..... 6.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 82.0%	Hospital ..... 6.4 Days
State ..... 14.7%	State ..... 8.1 Days
Outside State ..... 3.3%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 81 Occupancy Rate ..... 49.0 % Ownership/Control..... Local Government Medicare Discharges ..... 52.3 % Case Mix Index (CMI) ..... 0.9706	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... Yes Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 22 Percent of Physicians Board Certified Specialists ..... 54.5 % Medical Residents/Interns ..... 0 Registered Nurses..... 51 Licensed Practical Nurses ..... 55	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# HICKMAN COUNTY HOSPITAL

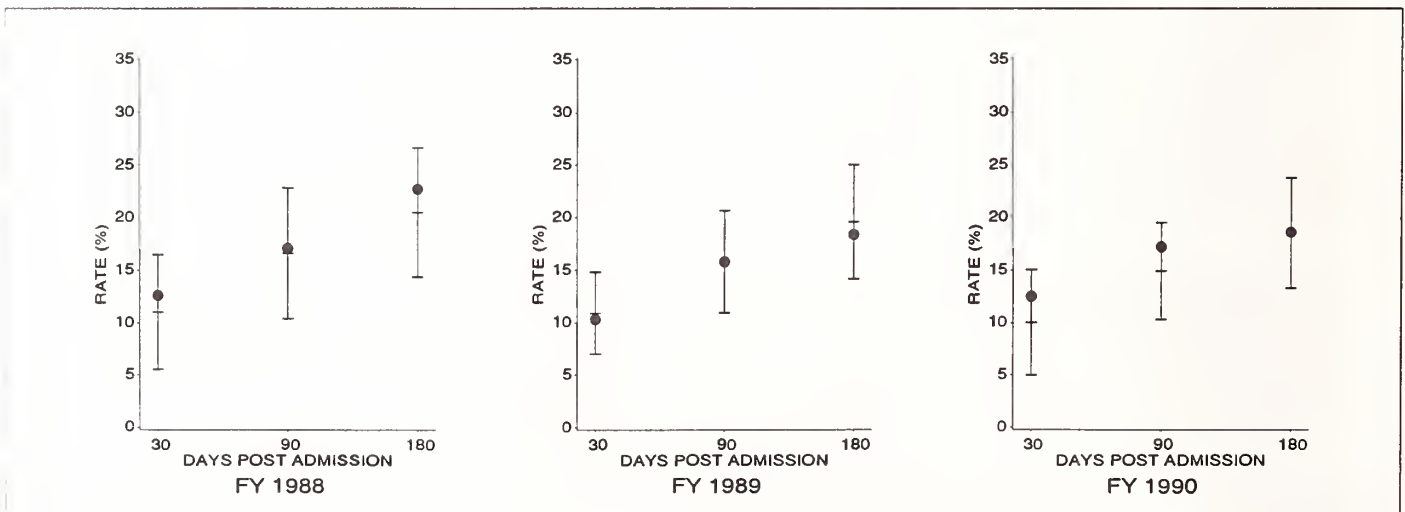
135 E SWAN ST  
 CENTERVILLE, TN 37033  
 Medicare Provider Number: 440014

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	279	12.5	10.0	2.5	17.2	14.9	2.3	18.6	18.5	2.6
CONDITIONS:										
Acute Myocardial Infarction.....	6	16.7	37.2	-----	16.7	39.6	-----	16.7	42.7	-----
Congestive Heart Failure.....	13	23.1	13.7	-----	30.8	22.3	-----	30.8	28.9	-----
Pneumonia/Influenza.....	38	21.1	17.0	-----	31.6	23.5	-----	36.8	27.5	-----
Chronic Obstructive Pulmonary Disease.....	6	0.0	4.8	-----	0.0	8.4	-----	0.0	11.5	-----
Transient Cerebral Ischemia.....	1	0.0	1.4	-----	0.0	3.6	-----	0.0	6.4	-----
Stroke.....	6	16.7	20.0	-----	33.3	26.8	-----	33.3	31.3	-----
Hip Fracture.....	6	33.3	9.8	-----	33.3	18.0	-----	33.3	23.0	-----
Sepsis.....	5	60.0	36.0	-----	60.0	42.6	-----	60.0	47.9	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	1	0.0	2.1	-----	0.0	3.9	-----	0.0	5.7	-----
Prostatectomy.....	0									
Cholecystectomy.....	2	0.0	0.4	-----	0.0	0.8	-----	0.0	1.3	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HICKMAN COUNTY HOSPITAL

Medicare Provider Number: 440014

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.3 years

Proportion female..... 62.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 33.0 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 1.8 %

Admitted for emergency..... 55.6 %

### COMORBIDITIES:

Cancer..... 4.7 %

Chronic cardiovascular disease..... 19.0 %

Chronic liver disease..... 0.0 %

Chronic renal disease..... 0.4 %

Chronic pulmonary disease..... 12.2 %

Cerebrovascular degeneration..... 8.6 %

Diabetes mellitus..... 5.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 89.5%

State ..... 9.3%

Outside State ..... 1.2%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.7 Days

State ..... 8.1 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 68

Occupancy Rate ..... 73.0 %

Ownership/Control..... Local Government

Medicare Discharges ..... 57.4 %

Case Mix Index (CMI) ..... 0.9386

### STAFFING:

Total Number of Physicians..... 6

Percent of Physicians Board Certified Specialists ..... 83.3 %

Medical Residents/Interns ..... 0

Registered Nurses..... 10

Licensed Practical Nurses ..... 8

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... No

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HIGHLAND HOSPITAL

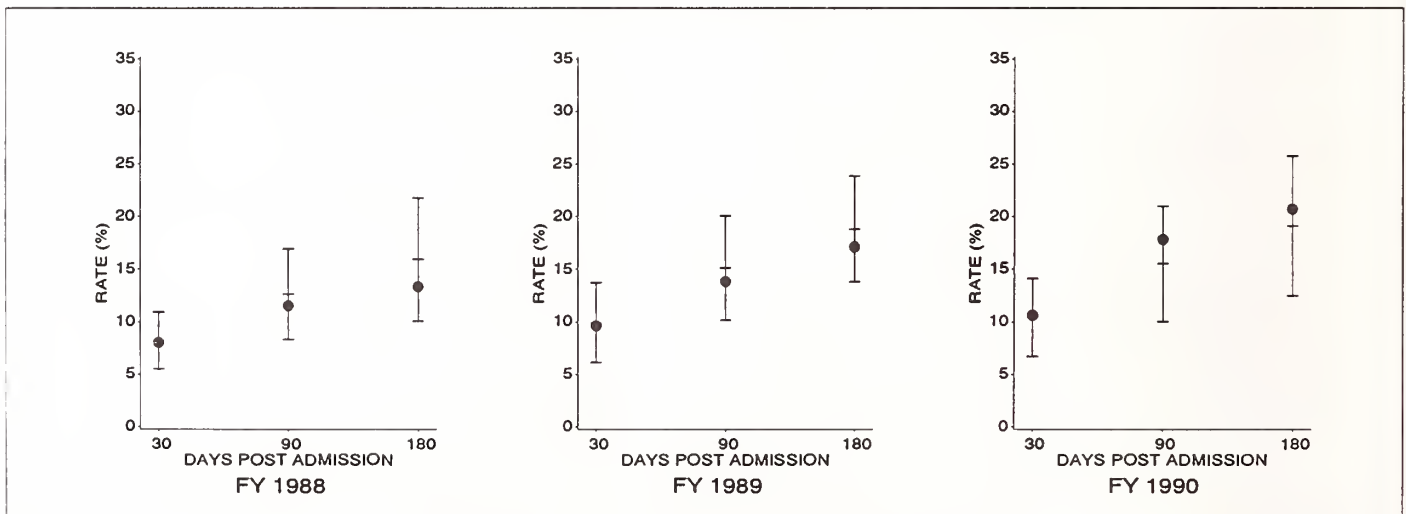
500 REDBUD DR  
 PORTLAND, TN 37148  
 Medicare Provider Number: 440095

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	348	10.6	10.4	1.9	17.8	15.5	2.7	20.7	19.1	3.3
CONDITIONS:										
Acute Myocardial Infarction.....	5	40.0	32.4	-----	40.0	35.2	-----	40.0	37.7	-----
Congestive Heart Failure.....	25	24.0	15.7	-----	32.0	24.6	-----	36.0	31.1	-----
Pneumonia/Influenza.....	31	16.1	18.1	-----	25.8	25.0	-----	29.0	29.3	-----
Chronic Obstructive Pulmonary Disease.....	7	0.0	8.5	-----	0.0	14.3	-----	0.0	18.8	-----
Transient Cerebral Ischemia.....	7	14.3	1.9	-----	14.3	4.3	-----	14.3	6.9	-----
Stroke.....	15	0.0	18.0	-----	26.7	24.3	-----	33.3	28.1	-----
Hip Fracture.....	1	0.0	4.4	-----	0.0	7.3	-----	0.0	9.8	-----
Sepsis.....	8	12.5	24.5	-----	37.5	29.5	-----	37.5	33.3	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	2	0.0	2.8	-----	0.0	5.4	-----	50.0	7.7	-----
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	6	16.7	2.3	-----	16.7	4.1	-----	16.7	5.7	-----
Hysterectomy.....	2	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (%) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HIGHLAND HOSPITAL

Medicare Provider Number: 440095

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.4 years	Cancer..... 4.0 %
Proportion female..... 56.9 %	Chronic cardiovascular disease..... 33.6 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.0 %
Referred by personal or HMO physician..... 40.2 %	Chronic renal disease..... 1.1 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 11.8 %
Admitted for elective procedure..... 2.9 %	Cerebrovascular degeneration..... 6.6 %
Admitted for emergency..... 63.5 %	Diabetes mellitus..... 7.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 86.9%	Hospital ..... 5.8 Days
State ..... 9.4%	State ..... 8.1 Days
Outside State ..... 3.7%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>
Total Beds ..... 48	Burn Unit ..... No
Occupancy Rate ..... 45.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Church	Comprehensive Geriatric ..... No
Medicare Discharges ..... 43.9 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.0187	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 13	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 69.2 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 27	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 19	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

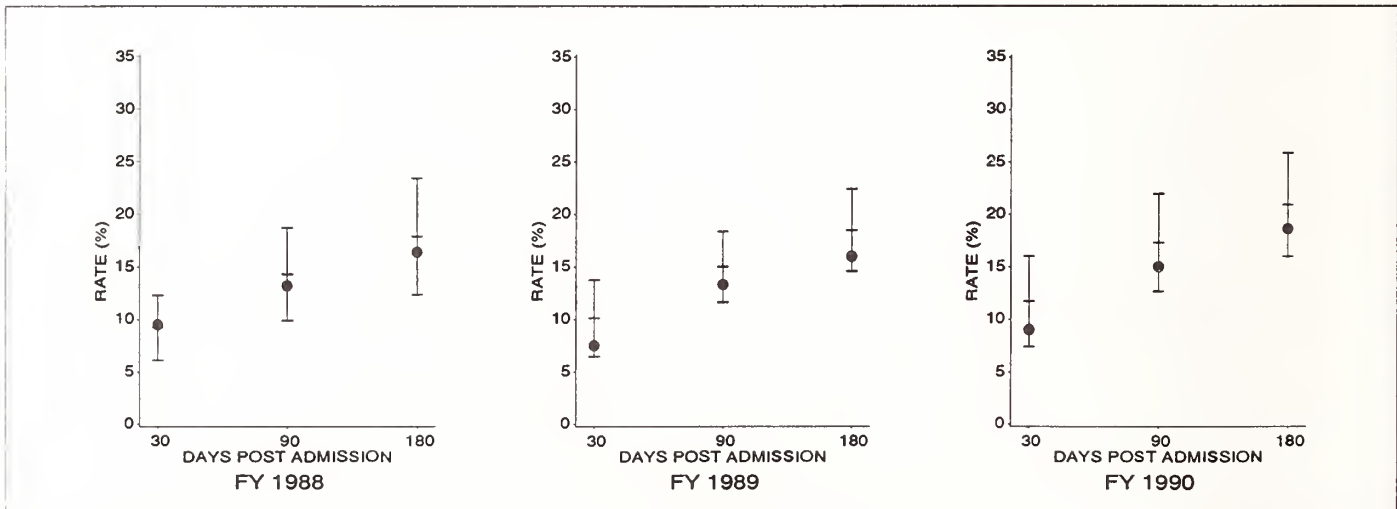
**HILLSIDE HOSPITAL**  
 1265 E COLLEGE ST  
 PULASKI, TN 38478  
 Medicare Provider Number: 440020

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	547	9.0	11.7	2.2	15.0	17.3	2.3	18.6	20.9	2.5
CONDITIONS:										
Acute Myocardial Infarction.....	9	44.4	32.8	-----	44.4	35.8	-----	44.4	38.7	-----
Congestive Heart Failure.....	36	8.3	14.2	-----	16.7	22.9	-----	22.2	29.5	-----
Pneumonia/Influenza.....	45	8.9	14.7	-----	15.6	20.4	-----	20.0	23.9	-----
Chronic Obstructive Pulmonary Disease.....	13	0.0	10.2	-----	0.0	17.4	-----	7.7	21.8	-----
Transient Cerebral Ischemia.....	6	0.0	1.8	-----	0.0	4.0	-----	0.0	6.3	-----
Stroke.....	17	5.9	22.9	-----	11.8	29.9	-----	29.4	34.1	-----
Hip Fracture.....	0									
Sepsis.....	10	0.0	18.7	-----	10.0	25.1	-----	10.0	28.8	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	6	0.0	0.7	-----	0.0	1.6	-----	0.0	2.8	-----
Cholecystectomy.....	6	0.0	1.3	-----	0.0	2.6	-----	0.0	3.6	-----
Hysterectomy.....	2	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**HILLSIDE HOSPITAL**  
 Medicare Provider Number: 440020

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	75.4 years	Cancer.....	4.2 %
Proportion female.....	57.0 %	Chronic cardiovascular disease.....	29.1 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.9 %
Referred by personal or HMO physician.....	75.1 %	Chronic renal disease.....	1.1 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	16.8 %
Admitted for elective procedure.....	1.6 %	Cerebrovascular degeneration.....	5.3 %
Admitted for emergency.....	87.6 %	Diabetes mellitus.....	8.6 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City.....	89.6%	Hospital.....	5.3 Days
State.....	6.3%	State.....	8.1 Days
Outside State.....	4.1%	National.....	8.6 Days
Total.....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

<b>PROFILE:</b>		<b>SPECIALTY SERVICES:</b>	
Total Beds.....	95	Burn Unit.....	No
Ownership/Control.....	Private, For Profit	Coronary Care Unit.....	Yes
Case Mix Index (CMI).....	1.1798	Hospice Care.....	No
<b>STAFFING:</b>		Intensive Care Unit.....	Yes
Medical Residents/Interns.....	0	Organ Transplant.....	No
Registered Nurses.....	28	Trauma Center.....	No
Licensed Practical Nurses.....	29	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
		Alcohol/Drug.....	No
		Rehabilitation.....	No
		Psychiatric.....	Yes
		Medicare Swing Beds.....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HOLSTON VALLEY HOSPITAL MEDICAL CENTER

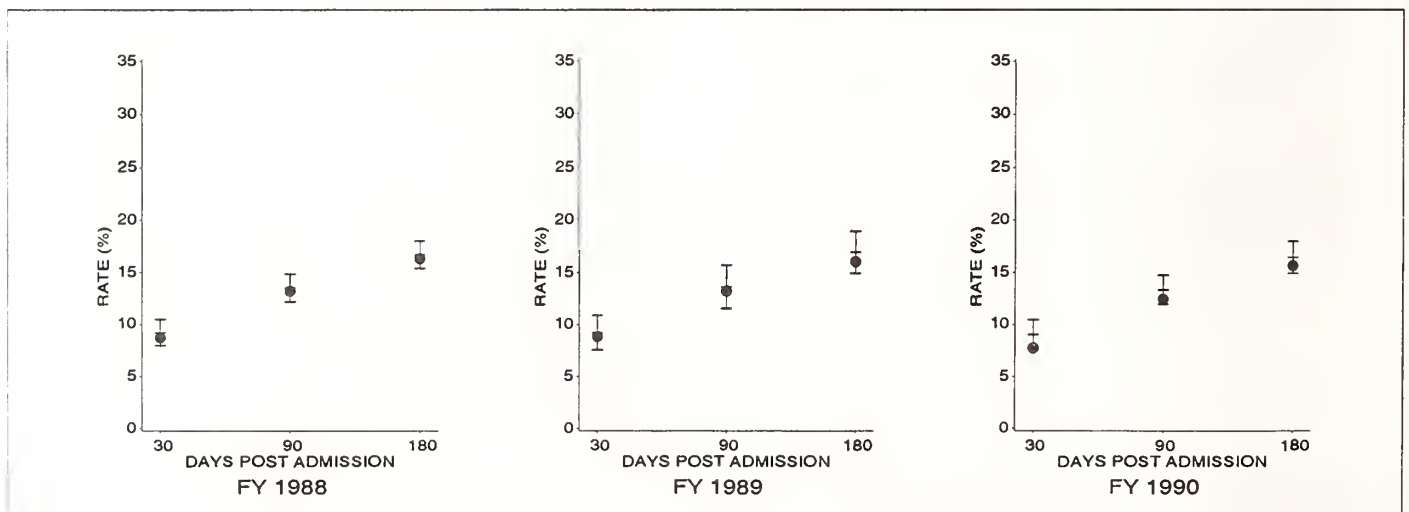
W RAVINE ST  
KINGSPORT, TN 37662  
Medicare Provider Number: 440017

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	3660	7.7	9.0	0.7	12.4	13.3	0.7	15.6	16.4	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	152	23.7	30.0	6.5	27.0	32.5	6.6	28.3	35.1	6.7
Congestive Heart Failure.....	140	15.7	14.6	4.0	24.3	23.4	3.8	32.9	29.8	4.9
Pneumonia/Influenza.....	184	15.2	16.3	3.1	23.4	22.9	3.1	27.7	26.9	3.7
Chronic Obstructive Pulmonary Disease.....	72	2.8	6.8	3.5	9.7	12.4	5.5	9.7	16.5	5.7
Transient Cerebral Ischemia.....	50	0.0	1.5	-----	0.0	3.3	-----	4.0	5.5	-----
Stroke.....	111	24.3	23.3	4.9	27.9	28.6	4.3	29.7	31.8	4.8
Hip Fracture.....	79	1.3	6.8	4.6	6.3	11.6	5.8	8.9	14.9	5.6
Sepsis.....	22	27.3	27.0	-----	36.4	38.0	-----	40.9	44.3	-----
PROCEDURES:										
Angioplasty.....	48	8.3	3.7	-----	8.3	4.8	-----	8.3	5.9	-----
Coronary Artery Bypass Graft.....	114	5.3	5.0	2.5	7.0	6.9	2.7	8.8	8.0	2.6
Initial Pacemaker Insertion.....	5	0.0	2.3	-----	0.0	4.5	-----	0.0	6.6	-----
Carotid Endarterectomy.....	25	0.0	1.5	-----	0.0	2.8	-----	0.0	4.0	-----
Hip Replacement/Reconstruction.....	55	0.0	2.7	3.0	1.8	4.9	4.3	3.6	6.6	5.4
Open Reduction of Hip Fracture.....	40	2.5	7.0	-----	7.5	12.1	-----	10.0	15.4	-----
Prostatectomy.....	56	0.0	0.8	1.4	1.8	2.0	2.0	1.8	3.5	3.0
Cholecystectomy.....	82	0.0	2.2	2.3	2.4	3.7	2.6	4.9	4.8	3.0
Hysterectomy.....	31	0.0	0.6	-----	0.0	1.5	-----	0.0	2.4	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HOLSTON VALLEY HOSPITAL MEDICAL CENTER

Medicare Provider Number: 440017

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 71.9 years	Cancer..... 7.7 %
Proportion female..... 54.2 %	Chronic cardiovascular disease..... 38.0 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.8 %
Referred by personal or HMO physician.... 41.6 %	Chronic renal disease..... 2.4 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 18.4 %
Admitted for elective procedure..... 23.7 %	Cerebrovascular degeneration..... 5.3 %
Admitted for emergency..... 60.7 %	Diabetes mellitus..... 7.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 45.6%	Hospital ..... 9.2 Days
State ..... 18.6%	State ..... 8.1 Days
Outside State ..... 35.8%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>
Total Beds ..... 439	Burn Unit ..... No
Occupancy Rate ..... 67.0 %	Cardiac Intensive Care ..... Yes
Ownership/Control..... Private, Non-Profit	Comprehensive Geriatric ..... Yes
Medicare Discharges ..... 37.5 %	Hospice Care ..... Yes
Case Mix Index (CMI) ..... 1.3692	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 225	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 93.8 %	Trauma Center ..... Yes
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 373	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 185	Rehabilitation ..... No
	Psychiatric ..... Yes
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HUMANA HOSPITAL EAST RIDGE

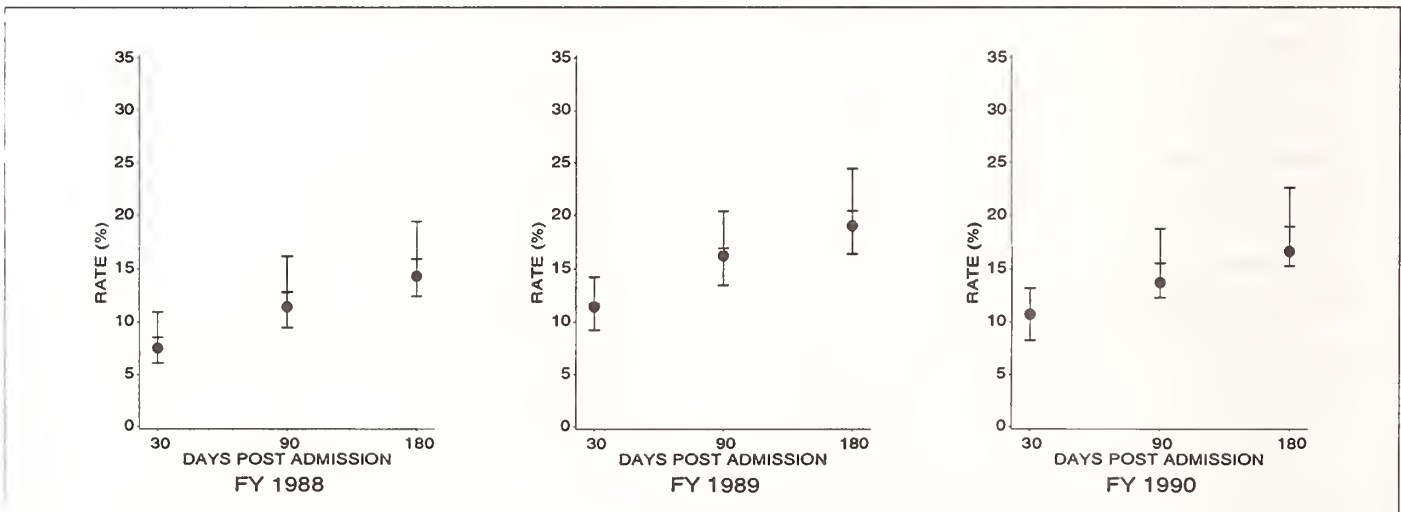
941 SPRING CREEK RD  
CHATTANOOGA, TN 37412  
Medicare Provider Number: 440178

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	699	10.7	10.7	1.2	13.7	15.5	1.6	16.6	18.9	1.8
CONDITIONS:										
Acute Myocardial Infarction.....	16	56.3	27.8	-----	56.3	30.3	-----	56.3	32.8	-----
Congestive Heart Failure.....	35	14.3	11.4	-----	20.0	17.9	-----	20.0	23.3	-----
Pneumonia/Influenza.....	38	7.9	18.8	-----	7.9	25.0	-----	13.2	28.4	-----
Chronic Obstructive Pulmonary Disease.....	10	10.0	10.0	-----	20.0	17.3	-----	30.0	23.1	-----
Transient Cerebral Ischemia.....	12	0.0	2.1	-----	0.0	4.7	-----	0.0	7.5	-----
Stroke.....	25	20.0	18.4	-----	28.0	26.3	-----	32.0	30.6	-----
Hip Fracture.....	16	12.5	5.5	-----	18.8	9.5	-----	18.8	12.2	-----
Sepsis.....	12	33.3	25.6	-----	33.3	32.8	-----	33.3	37.6	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	7	0.0	1.8	-----	0.0	3.6	-----	14.3	5.4	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	8	12.5	6.3	-----	12.5	11.4	-----	12.5	14.5	-----
Open Reduction of Hip Fracture.....	7	0.0	4.2	-----	14.3	7.1	-----	14.3	9.6	-----
Prostatectomy.....	26	0.0	1.7	-----	0.0	4.0	-----	7.7	6.6	-----
Cholecystectomy.....	14	0.0	1.5	-----	0.0	2.9	-----	0.0	4.1	-----
Hysterectomy.....	8	0.0	0.1	-----	0.0	0.2	-----	0.0	0.4	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HUMANA HOSPITAL EAST RIDGE

Medicare Provider Number: 440178

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.9 years  
 Proportion female..... 61.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.5 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 12.7 %  
 Admitted for emergency..... 64.8 %

### COMORBIDITIES:

Cancer..... 3.6 %  
 Chronic cardiovascular disease..... 34.0 %  
 Chronic liver disease..... 0.6 %  
 Chronic renal disease..... 2.4 %  
 Chronic pulmonary disease..... 13.7 %  
 Cerebrovascular degeneration..... 5.2 %  
 Diabetes mellitus..... 23.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 64.4%  
 State ..... 4.6%  
 Outside State ..... 31.0%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.1 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 121  
 Occupancy Rate ..... 55.0 %  
 Ownership/Control..... Private, For Profit  
 Medicare Discharges ..... 21.2 %  
 Case Mix Index (CMI) ..... 1.2247

### STAFFING:

Total Number of Physicians..... 266  
 Percent of Physicians Board Certified Specialists .....(Not Available)  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 138  
 Licensed Practical Nurses ..... 40

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... No  
 Psychiatric ..... No  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HUMANA HOSPITAL MCFARLAND

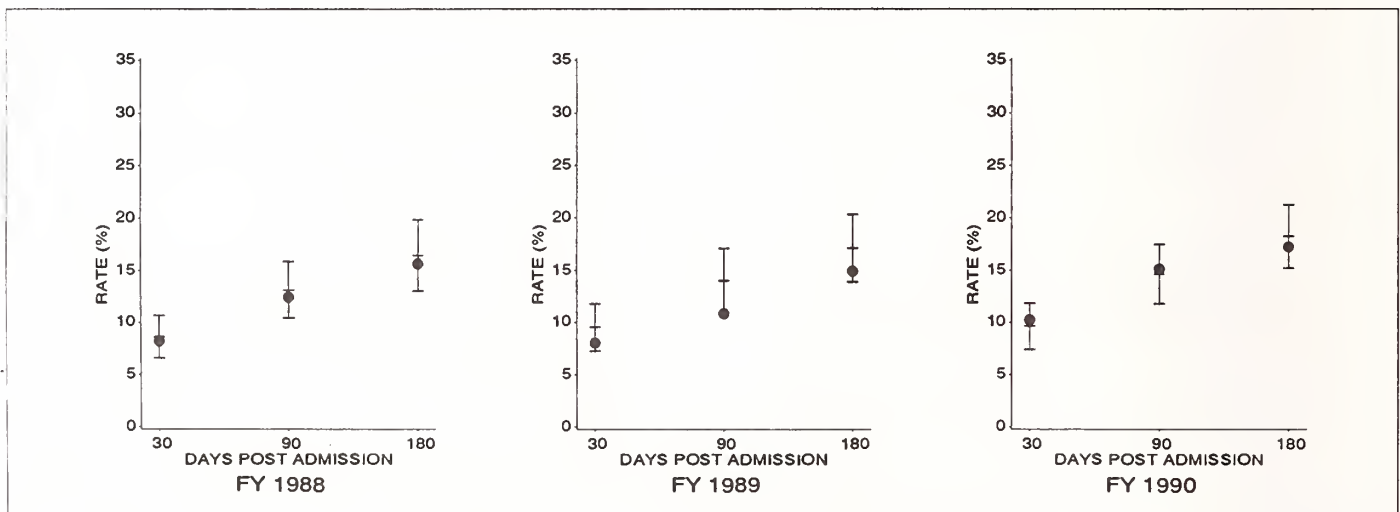
500 PARK AVE  
LEBANON, TN 37087  
Medicare Provider Number: 440136

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	756	10.2	9.6	1.1	15.1	14.6	1.4	17.2	18.2	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	16	43.8	35.6	-----	50.0	38.8	-----	56.3	41.8	-----
Congestive Heart Failure.....	41	19.5	15.7	-----	31.7	25.2	-----	34.1	31.9	-----
Pneumonia/Influenza.....	40	25.0	18.6	-----	35.0	25.1	-----	37.5	29.3	-----
Chronic Obstructive Pulmonary Disease.....	32	3.1	8.3	-----	15.6	15.1	-----	21.9	19.8	7 <sup>†</sup> -----
Transient Cerebral Ischemia.....	21	4.8	1.9	-----	9.5	4.0	-----	9.5	6.4	-----
Stroke.....	22	22.7	23.0	-----	22.7	30.2	-----	22.7	34.1	-----
Hip Fracture.....	39	2.6	6.7	-----	2.6	11.8	-----	5.1	15.2	-----
Sepsis.....	13	53.8	31.1	-----	61.5	42.1	-----	76.9	46.8	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	7	0.0	2.9	-----	0.0	5.8	-----	0.0	8.5	-----
Carotid Endarterectomy.....	6	0.0	1.8	-----	0.0	3.4	-----	0.0	5.1	-----
Hip Replacement/Reconstruction.....	15	0.0	5.3	-----	0.0	9.6	-----	0.0	12.4	-----
Open Reduction of Hip Fracture.....	21	4.8	6.6	-----	4.8	11.9	-----	9.5	15.5	-----
Prostatectomy.....	10	0.0	0.8	-----	0.0	2.0	-----	0.0	3.6	-----
Cholecystectomy.....	14	0.0	2.2	-----	7.1	4.0	-----	7.1	5.2	-----
Hysterectomy.....	3	0.0	0.3	-----	0.0	0.7	-----	0.0	1.1	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HUMANA HOSPITAL MCFARLAND

Medicare Provider Number: 440136

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years  
 Proportion female..... 60.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 41.5 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 2.9 %  
 Admitted for emergency..... 59.5 %

### COMORBIDITIES:

Cancer..... 6.0 %  
 Chronic cardiovascular disease..... 43.9 %  
 Chronic liver disease..... 0.8 %  
 Chronic renal disease..... 1.9 %  
 Chronic pulmonary disease..... 22.1 %  
 Cerebrovascular degeneration..... 4.1 %  
 Diabetes mellitus..... 7.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 76.1 %  
 State ..... 22.1 %  
 Outside State ..... 1.8 %  
 Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.3 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 159  
 Occupancy Rate ..... 40.0 %  
 Ownership/Control..... Private, For Profit  
 Medicare Discharges ..... 32.6 %  
 Case Mix Index (CMI) ..... 1.2903

### STAFFING:

Total Number of Physicians..... (Not Available)  
 Percent of Physicians Board Certified Specialists ..... (Not Available)  
 Medical Residents/Interns ..... (Not Available)  
 Registered Nurses..... (Not Available)  
 Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... Yes  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... Yes  
 Psychiatric ..... No  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HUMANA HOSPITAL MORRISTOWN

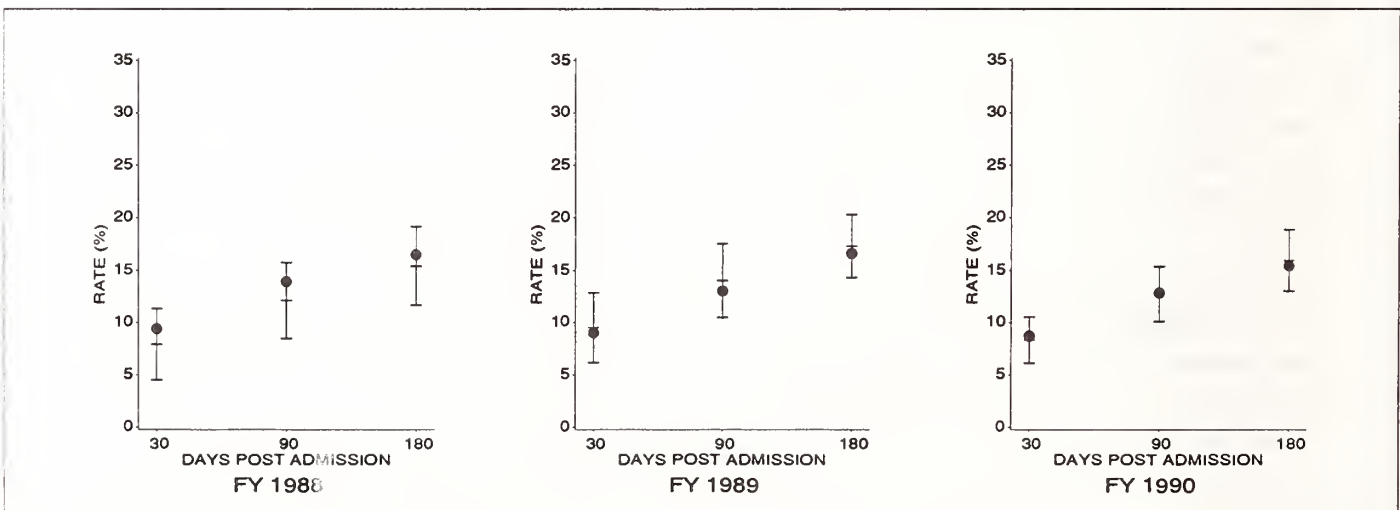
726 MCFARLAND ST  
MORRISTOWN, TN 37814  
Medicare Provider Number: 440067

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	792	8.7	8.3	1.1	12.8	12.7	1.3	15.4	15.9	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	18	33.3	29.0	----	33.3	31.8	----	33.3	34.6	----
Congestive Heart Failure.....	42	19.0	13.7	----	23.8	22.3	----	35.7	28.7	----
Pneumonia/Influenza.....	34	23.5	15.5	----	26.5	21.7	----	29.4	25.5	----
Chronic Obstructive Pulmonary Disease.....	42	0.0	6.5	----	7.1	11.4	----	9.5	15.2	----
Transient Cerebral Ischemia.....	26	0.0	1.4	----	3.8	3.4	----	3.8	5.5	----
Stroke.....	29	34.5	23.3	----	37.9	29.9	----	48.3	33.9	----
Hip Fracture.....	19	5.3	8.4	----	10.5	14.6	----	10.5	18.7	----
Sepsis.....	5	40.0	17.9	----	60.0	23.7	----	60.0	27.4	----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	2.5	----	0.0	4.7	----	50.0	6.7	----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	7	0.0	5.1	----	14.3	8.7	----	14.3	11.4	----
Open Reduction of Hip Fracture.....	12	0.0	7.8	----	0.0	14.7	----	0.0	19.3	----
Prostatectomy.....	42	0.0	0.9	----	0.0	2.1	----	2.4	3.6	----
Cholecystectomy.....	8	12.5	2.4	----	12.5	4.1	----	12.5	5.4	----
Hysterectomy.....	4	0.0	0.1	----	0.0	0.3	----	0.0	0.4	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HUMANA HOSPITAL MORRISTOWN

Medicare Provider Number: 440067

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 72.6 years	Cancer..... 3.4 %
Proportion female..... 57.3 %	Chronic cardiovascular disease..... 42.3 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 1.1 %
Referred by personal or HMO physician..... 73.4 %	Chronic renal disease..... 0.5 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 23.9 %
Admitted for elective procedure..... 13.1 %	Cerebrovascular degeneration..... 3.3 %
Admitted for emergency..... 48.2 %	Diabetes mellitus..... 10.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 59.0%	Hospital ..... 6.6 Days
State ..... 38.3%	State ..... 8.1 Days
Outside State ..... 2.7%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 135 Occupancy Rate ..... 49.0 % Ownership/Control..... Private, For Profit Medicare Discharges ..... 45.6 % Case Mix Index (CMI) ..... 1.1428 <b>STAFFING:</b> Total Number of Physicians..... 42 Percent of Physicians Board Certified Specialists ..... 59.5 % Medical Residents/Interns ..... 0 Registered Nurses..... 64 Licensed Practical Nurses ..... 35	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... Yes Other Intensive Care ..... No Trauma Center ..... No <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... Yes Psychiatric ..... Yes Medicare Swing Beds ..... Yes
** Except for CMI	

\* Not used in calculating mortality rates

# HUMBOLDT GENERAL HOSPITAL INC

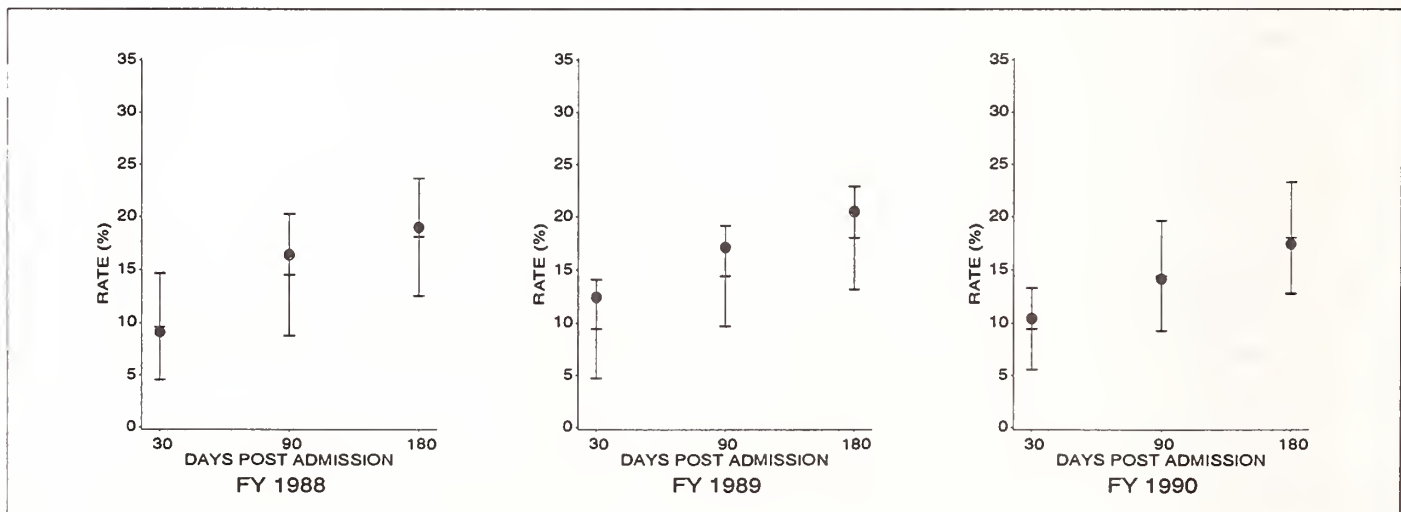
3525 CHERE CAROL RD  
HUMBOLDT, TN 38343  
Medicare Provider Number: 440115

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	298	10.4	9.4	1.9	14.1	14.4	2.6	17.4	18.0	2.6
CONDITIONS:										
Acute Myocardial Infarction.....	7	57.1	26.3	-----	57.1	30.4	-----	57.1	34.7	-----
Congestive Heart Failure.....	36	16.7	14.5	-----	25.0	23.8	-----	38.9	30.1	-----
Pneumonia/Influenza.....	30	3.3	12.0	-----	6.7	16.3	-----	6.7	19.5	-----
Chronic Obstructive Pulmonary Disease.....	5	0.0	7.7	-----	0.0	13.4	-----	20.0	17.7	-----
Transient Cerebral Ischemia.....	8	0.0	1.4	-----	0.0	3.3	-----	0.0	5.7	-----
Stroke.....	12	16.7	21.5	-----	16.7	29.8	-----	16.7	34.2	-----
Hip Fracture.....	0									
Sepsis.....	4	0.0	23.6	-----	25.0	34.7	-----	25.0	40.1	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	5	0.0	1.7	-----	0.0	3.0	-----	0.0	4.0	-----
Hysterectomy.....	1	0.0	0.6	-----	0.0	1.6	-----	0.0	2.5	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (°) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HUMBOLDT GENERAL HOSPITAL INC

Medicare Provider Number: 440115

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.9 years  
 Proportion female..... 62.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 77.2 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 0.3 %  
 Admitted for emergency..... 27.5 %

### COMORBIDITIES:

Cancer..... 2.7 %  
 Chronic cardiovascular disease..... 32.6 %  
 Chronic liver disease..... 2.0 %  
 Chronic renal disease..... 4.0 %  
 Chronic pulmonary disease..... 15.8 %  
 Cerebrovascular degeneration..... 2.3 %  
 Diabetes mellitus..... 11.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 87.7%  
 State..... 10.4%  
 Outside State..... 1.9%  
 Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.3 Days  
 State..... 8.1 Days  
 National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 62  
 Occupancy Rate..... 33.0 %  
 Ownership/Control..... District/Authority  
 Medicare Discharges..... 36.6 %  
 Case Mix Index (CMI)..... 1.0846

### STAFFING:

Total Number of Physicians..... 8  
 Percent of Physicians Board Certified Specialists.....(Not Available)  
 Medical Residents/Interns..... 0  
 Registered Nurses..... 23  
 Licensed Practical Nurses..... 11

### SPECIALTY SERVICES:

Burn Unit..... No  
 Cardiac Intensive Care..... No  
 Comprehensive Geriatric..... No  
 Hospice Care..... No  
 Medical/Surgical Intensive Care..... No  
 Organ/Tissue Transplant..... No  
 Other Intensive Care..... No  
 Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
 Rehabilitation..... No  
 Psychiatric..... No  
 Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# INDIAN PATH HOSPITAL

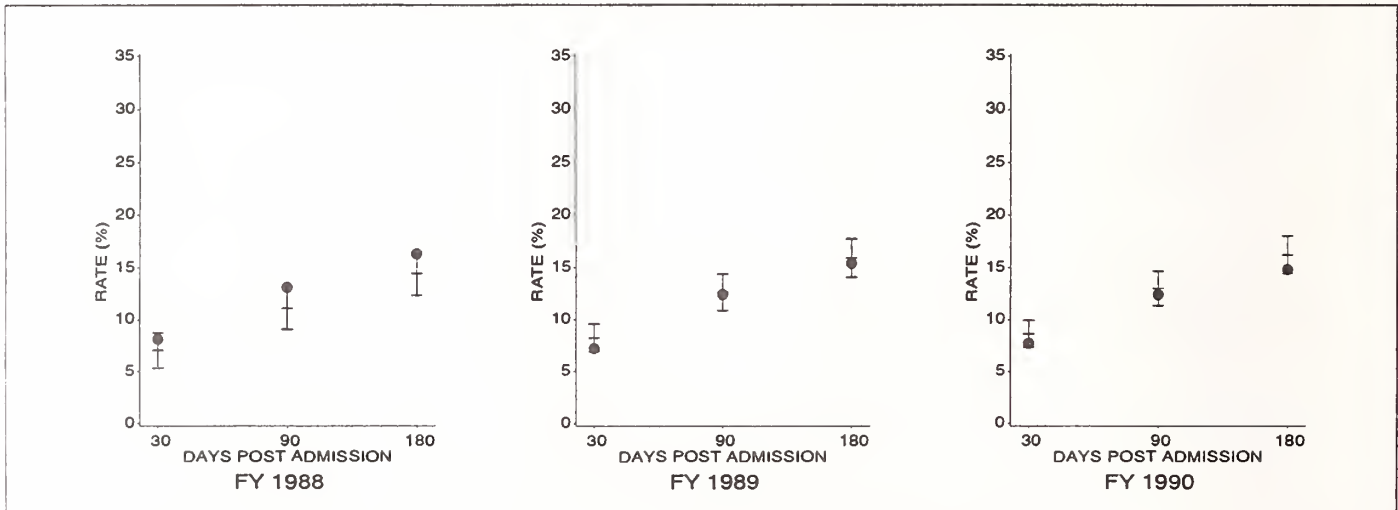
2000 BROOKSIDE RD  
KINGSPORT, TN 37660  
Medicare Provider Number: 440176

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	2194	7.7	8.6	0.7	12.4	13.0	0.8	14.8	16.2	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	64	26.6	28.7	6.4	28.1	31.1	6.1	28.1	33.5	6.9
Congestive Heart Failure.....	116	14.7	15.2	3.5	21.6	24.6	5.0	29.3	31.1	5.7
Pneumonia/Influenza.....	126	13.5	16.7	5.4	22.2	23.2	6.8	25.4	27.4	6.4
Chronic Obstructive Pulmonary Disease.....	27	7.4	4.5	-----	11.1	8.4	-----	11.1	11.7	-----
Transient Cerebral Ischemia.....	36	0.0	1.7	-----	0.0	3.7	-----	2.8	5.8	-----
Stroke.....	90	18.9	20.4	4.7	24.4	26.4	5.0	26.7	30.1	6.0
Hip Fracture.....	53	1.9	6.4	4.3	7.5	11.2	7.8	7.5	14.3	8.0
Sepsis.....	42	21.4	17.9	-----	28.6	25.7	-----	33.3	30.4	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	8	0.0	4.5	-----	12.5	9.0	-----	12.5	12.5	-----
Carotid Endarterectomy.....	11	0.0	1.0	-----	0.0	2.0	-----	9.1	3.2	-----
Hip Replacement/Reconstruction.....	35	0.0	3.7	-----	2.9	6.8	-----	2.9	9.2	-----
Open Reduction of Hip Fracture.....	23	0.0	6.4	-----	8.7	11.6	-----	8.7	15.0	-----
Prostatectomy.....	71	0.0	0.8	1.2	0.0	1.8	2.1	1.4	3.1	2.5
Cholecystectomy.....	58	3.4	1.6	2.7	5.2	3.0	2.8	5.2	4.1	3.3
Hysterectomy.....	15	0.0	1.6	-----	6.7	3.2	-----	6.7	4.9	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**INDIAN PATH HOSPITAL**  
 Medicare Provider Number: 440176

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.1 years	Cancer..... 6.1 %
Proportion female..... 58.3 %	Chronic cardiovascular disease..... 31.3 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.8 %
Referred by personal or HMO physician..... 44.8 %	Chronic renal disease..... 2.6 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 16.8 %
Admitted for elective procedure..... 43.2 %	Cerebrovascular degeneration..... 6.3 %
Admitted for emergency..... 55.7 %	Diabetes mellitus..... 8.9 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 57.5%	Hospital ..... 8.6 Days
State ..... 20.1%	State ..... 8.1 Days
Outside State ..... 22.4%	National ..... 8.6 Days
Total ..... 100.0%	

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>
Total Beds ..... 212	Burn Unit ..... No
Occupancy Rate ..... 61.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 46.6 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.1665	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 182	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 85.7 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 130	Alcohol/Drug ..... No
Licensed Practical Nurses..... 75	Rehabilitation..... No
	Psychiatric..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# JACKSON COUNTY HOSPITAL

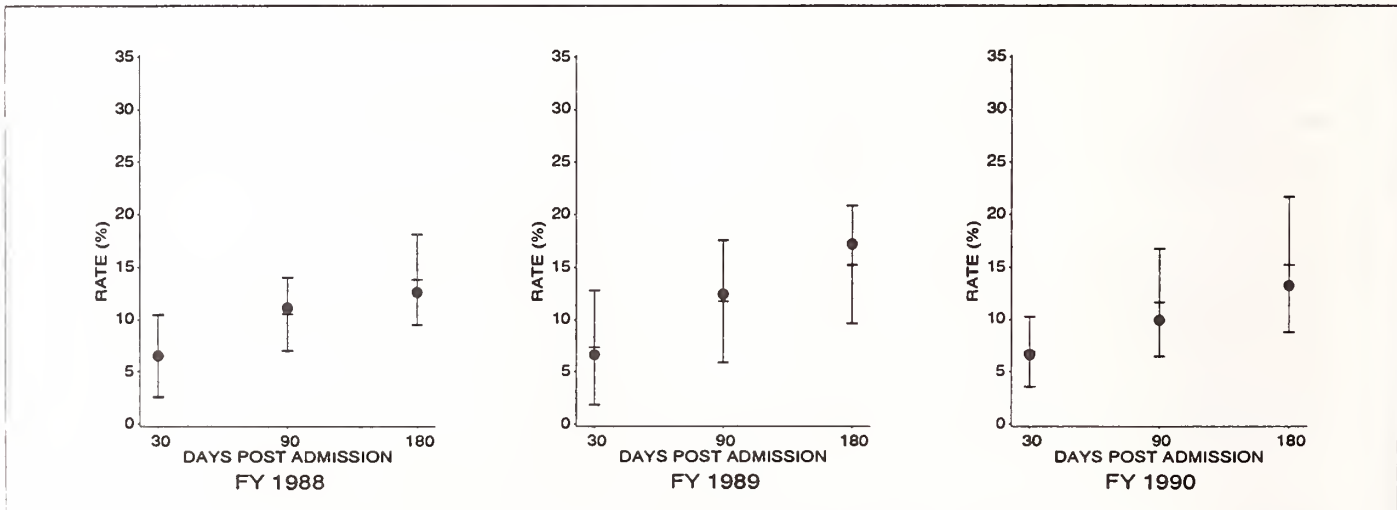
620 HOSPITAL DR  
GAINESBORO, TN 38562  
Medicare Provider Number: 440087

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	242	6.6	6.9	1.7	9.9	11.6	2.6	13.2	15.2	3.2
CONDITIONS:										
Acute Myocardial Infarction.....	2	100.0	18.4	-----	100.0	21.5	-----	100.0	24.6	-----
Congestive Heart Failure.....	9	0.0	11.7	-----	0.0	18.8	-----	11.1	24.1	-----
Pneumonia/Influenza.....	26	11.5	13.1	-----	26.9	18.4	-----	30.8	22.2	-----
Chronic Obstructive Pulmonary Disease.....	23	0.0	4.4	-----	4.3	8.8	-----	4.3	13.0	-----
Transient Cerebral Ischemia.....	6	0.0	1.2	-----	0.0	3.2	-----	0.0	5.9	-----
Stroke.....	2	50.0	11.5	-----	50.0	18.7	-----	50.0	23.4	-----
Hip Fracture.....	0									
Sepsis.....	4	0.0	16.0	-----	0.0	21.6	-----	0.0	25.2	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	0.7	-----	0.0	1.2	-----	0.0	1.7	-----
Hysterectomy.....	1	0.0	0.5	-----	0.0	1.2	-----	0.0	2.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# JACKSON COUNTY HOSPITAL

Medicare Provider Number: 440087

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.5 years  
 Proportion female..... 58.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 97.5 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 95.9 %  
 Admitted for emergency..... 1.2 %

### COMORBIDITIES:

Cancer..... 3.3 %  
 Chronic cardiovascular disease..... 27.3 %  
 Chronic liver disease..... 0.0 %  
 Chronic renal disease..... 5.8 %  
 Chronic pulmonary disease..... 18.6 %  
 Cerebrovascular degeneration..... 2.1 %  
 Diabetes mellitus..... 6.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 84.3%  
 State ..... 15.3%  
 Outside State ..... 0.4%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 41  
 Occupancy Rate ..... 46.0 %  
 Ownership/Control..... Private, For Profit  
 Medicare Discharges ..... 60.5 %  
 Case Mix Index (CMI) ..... 0.9892

### STAFFING:

Total Number of Physicians..... 2  
 Percent of Physicians Board Certified Specialists ..... 50.0 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses ..... 9  
 Licensed Practical Nurses ..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... No  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... No  
 Psychiatric ..... No  
 Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# JACKSON-MADISON COUNTY GENERAL HOSPITAL

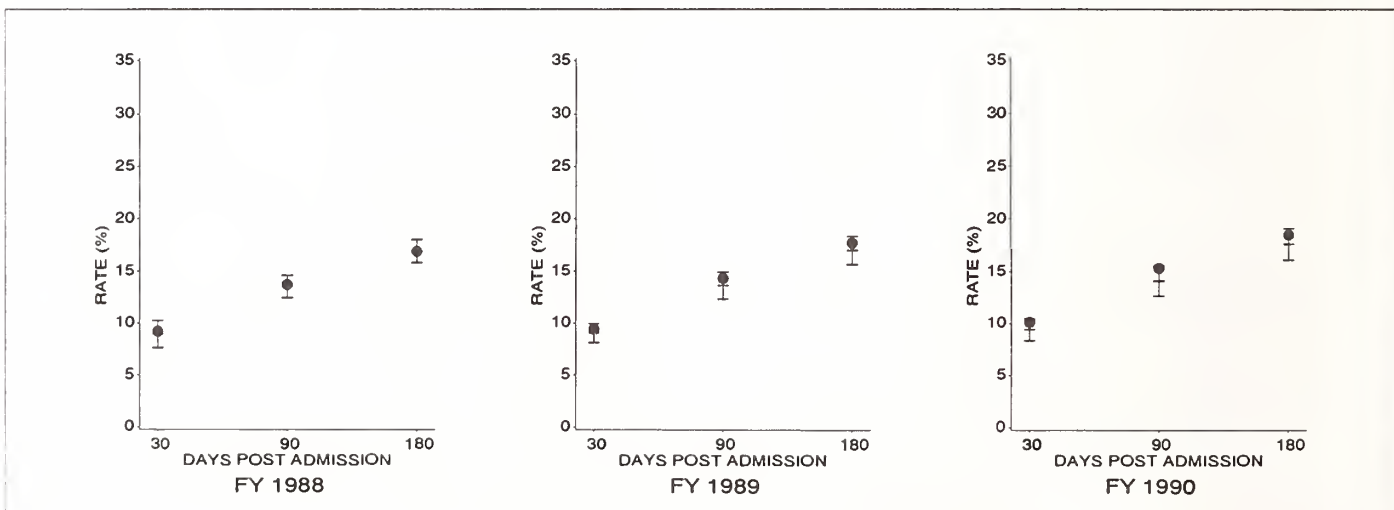
708 W FOREST  
JACKSON, TN 38301  
Medicare Provider Number: 440002

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	5219	10.1	9.4	0.5	15.3	14.1	0.7	18.5	17.6	0.8
CONDITIONS:										
Acute Myocardial Infarction.....	252	32.5	27.4	3.9	36.1	30.0	4.3	37.7	32.4	4.4
Congestive Heart Failure.....	215	15.8	14.4	4.6	29.8	22.5	5.0	32.6	28.3	5.5
Pneumonia/Influenza.....	146	15.1	15.8	4.1	18.5	21.9	5.0	23.3	25.6	4.9
Chronic Obstructive Pulmonary Disease.....	107	8.4	7.9	3.9	18.7	14.6	5.9	24.3	19.5	7.4
Transient Cerebral Ischemia.....	67	1.5	1.6	1.7	3.0	3.6	3.3	4.5	5.9	5.8
Stroke.....	233	19.7	21.0	2.7	23.2	26.7	3.4	27.5	30.1	3.3
Hip Fracture.....	121	8.3	6.0	2.9	14.0	10.6	4.1	15.7	13.8	3.6
Sepsis.....	43	37.2	27.8	-----	48.8	36.2	-----	55.8	41.0	-----
PROCEDURES:										
Angioplasty.....	61	6.6	3.6	4.9	6.6	4.5	5.8	11.5	5.4	6.9
Coronary Artery Bypass Graft.....	194	3.1	5.9	2.2	4.6	7.9	2.3	6.2	8.7	2.2
Initial Pacemaker Insertion.....	80	2.5	2.5	1.7	5.0	4.8	3.0	10.0	6.9	4.1
Carotid Endarterectomy.....	30	0.0	2.5	-----	0.0	4.4	-----	0.0	6.0	-----
Hip Replacement/Reconstruction.....	75	4.0	3.8	2.4	8.0	6.9	3.1	9.3	9.2	3.3
Open Reduction of Hip Fracture.....	66	9.1	5.3	5.3	13.6	9.8	6.9	15.2	13.0	7.5
Prostatectomy.....	175	1.1	1.0	0.9	1.7	2.4	1.3	3.4	4.0	2.1
Cholecystectomy.....	141	5.0	1.8	1.9	6.4	3.2	2.7	9.2	4.2	2.8
Hysterectomy.....	47	2.1	0.2	-----	4.3	0.6	-----	4.3	1.1	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (°) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





# JACKSON-MADISON COUNTY GENERAL HOSPITAL

Medicare Provider Number: 440002

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 72.9 years	Cancer..... 9.0 %
Proportion female..... 52.9 %	Chronic cardiovascular disease..... 33.3 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.7 %
Referred by personal or HMO physician..... 49.2 %	Chronic renal disease..... 5.2 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 11.7 %
Admitted for elective procedure..... 20.7 %	Cerebrovascular degeneration..... 2.4 %
Admitted for emergency..... 59.2 %	Diabetes mellitus..... 5.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 32.2%	Hospital ..... 8.5 Days
State ..... 65.9%	State ..... 8.1 Days
Outside State ..... 1.9%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>
Total Beds ..... 662	Burn Unit ..... No
Occupancy Rate ..... 62.0 %	Cardiac Intensive Care ..... Yes
Ownership/Control..... District/Authority	Comprehensive Geriatric ..... No
Medicare Discharges ..... 41.3 %	Hospice Care ..... Yes
Case Mix Index (CMI) ..... 1.4206	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 152	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 76.3 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 534	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 180	Rehabilitation..... Yes
	Psychiatric..... Yes
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# JEFFERSON COUNTY MEMORIAL HOSPITAL

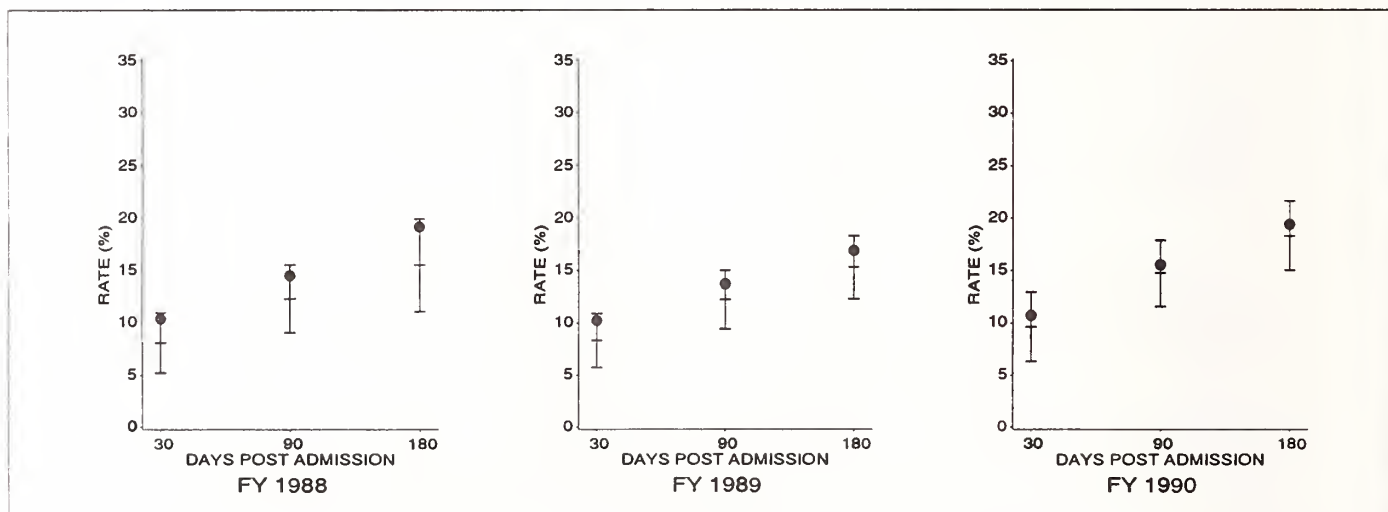
501 BISHOP ST  
JEFFERSON CITY, TN 37760  
Medicare Provider Number: 440056

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	682	10.7	9.6	1.7	15.5	14.7	1.6	19.4	18.3	1.7
CONDITIONS:										
Acute Myocardial Infarction.....	14	42.9	36.2	-----	42.9	40.0	-----	50.0	43.1	-----
Congestive Heart Failure.....	47	14.9	13.4	-----	19.1	21.3	-----	27.7	27.2	-----
Pneumonia/Influenza.....	81	11.1	14.7	5.6	13.6	20.3	7.6	16.0	24.0	8.5
Chronic Obstructive Pulmonary Disease.....	9	11.1	5.8	-----	11.1	10.7	-----	11.1	14.6	-----
Transient Cerebral Ischemia.....	27	0.0	1.6	-----	3.7	3.8	-----	7.4	6.4	-----
Stroke.....	19	26.3	13.6	-----	26.3	17.8	-----	26.3	21.0	-----
Hip Fracture.....	0									
Sepsis.....	6	50.0	24.7	-----	50.0	32.9	-----	50.0	37.6	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	8	0.0	1.2	-----	0.0	2.8	-----	0.0	4.5	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**JEFFERSON COUNTY MEMORIAL HOSPITAL**  
 Medicare Provider Number: 440056

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.7 years	Cancer..... 5.1 %
Proportion female..... 56.5 %	Chronic cardiovascular disease..... 41.1 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 1.2 %
Referred by personal or HMO physician..... 30.9 %	Chronic renal disease..... 1.5 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 14.5 %
Admitted for elective procedure..... 3.2 %	Cerebrovascular degeneration..... 6.6 %
Admitted for emergency..... 0.4 %	Diabetes mellitus..... 8.9 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 74.1%	Hospital ..... 6.8 Days
State ..... 24.2%	State ..... 8.1 Days
Outside State ..... 1.7%	National ..... 8.6 Days
Total ..... 100.0%	

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 91	Burn Unit ..... No
Occupancy Rate ..... 39.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Local Government	Comprehensive Geriatric ..... No
Medicare Discharges ..... 47.5 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 0.9679	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 13	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 69.2 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 29	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 36	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# JELICO COMMUNITY HOSPITAL

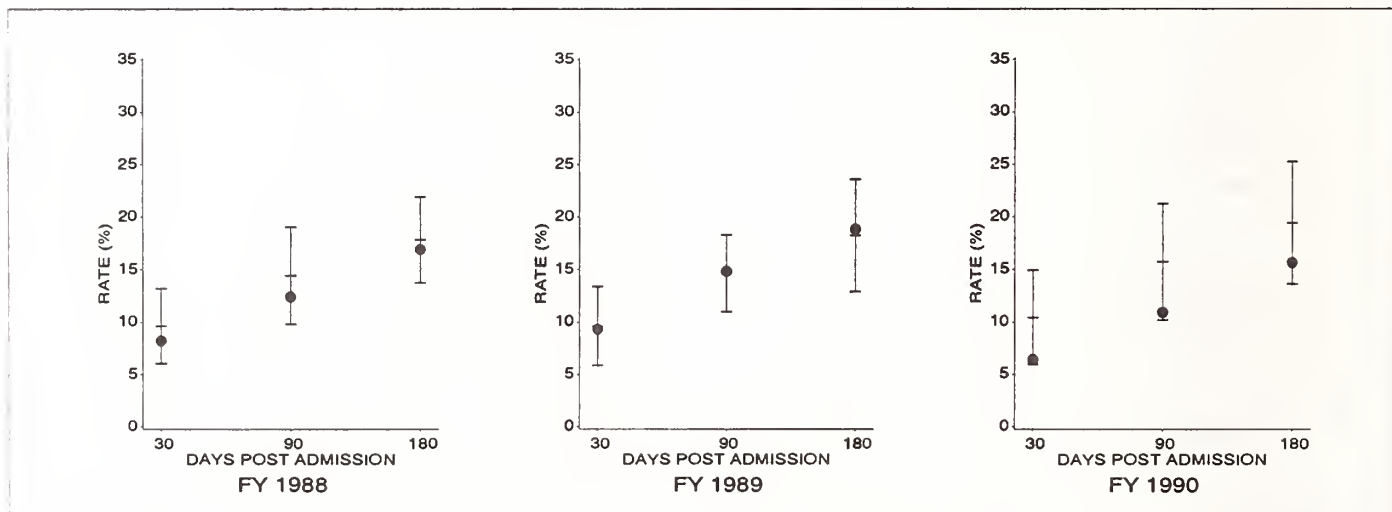
RT 1, BOX 197  
JELICO, TN 37762  
Medicare Provider Number: 440180

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	359	6.4	10.4	2.2	10.9	15.7	2.8	15.6	19.4	2.9
CONDITIONS:										
Acute Myocardial Infarction.....	9	0.0	22.2	-----	22.2	24.9	-----	22.2	27.5	-----
Congestive Heart Failure.....	15	0.0	15.2	-----	6.7	24.0	-----	6.7	30.2	-----
Pneumonia/Influenza.....	32	3.1	16.5	-----	6.3	23.7	-----	21.9	28.2	-----
Chronic Obstructive Pulmonary Disease.....	21	4.8	4.1	-----	4.8	7.9	-----	4.8	11.2	-----
Transient Cerebral Ischemia.....	8	12.5	2.1	-----	12.5	4.9	-----	12.5	8.1	-----
Stroke.....	14	0.0	18.7	-----	14.3	25.0	-----	14.3	28.7	-----
Hip Fracture.....	0									
Sepsis.....	5	20.0	26.6	-----	60.0	37.5	-----	60.0	42.1	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	11	0.0	1.7	-----	0.0	3.0	-----	0.0	4.1	-----
Hysterectomy.....	1	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**JELICO COMMUNITY HOSPITAL**  
 Medicare Provider Number: 440180

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	72.2 years	Cancer.....	4.7 %
Proportion female.....	52.1 %	Chronic cardiovascular disease.....	34.8 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	1.4 %
Referred by personal or HMO physician.....	5.8 %	Chronic renal disease.....	1.9 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	35.4 %
Admitted for elective procedure.....	0.0 %	Cerebrovascular degeneration.....	3.6 %
Admitted for emergency.....	12.5 %	Diabetes mellitus.....	10.3 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	48.0%	Hospital .....	5.4 Days
State .....	5.7%	State .....	8.1 Days
Outside State .....	46.3%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:		
Total Beds .....	50	Burn Unit .....	No
Occupancy Rate .....	62.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	Church	Comprehensive Geriatric .....	No
Medicare Discharges .....	30.2 %	Hospice Care .....	No
Case Mix Index (CMI) .....	1.0782	Medical/Surgical Intensive Care .....	Yes
STAFFING:		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	15	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists .....	66.7 %	Trauma Center .....	No
Medical Residents/Interns .....	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses.....	37	Alcohol/Drug .....	No
Licensed Practical Nurses .....	25	Rehabilitation.....	No
		Psychiatric .....	No
		Medicare Swing Beds .....	Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# JESSE HOLMAN JONES HOSPITAL

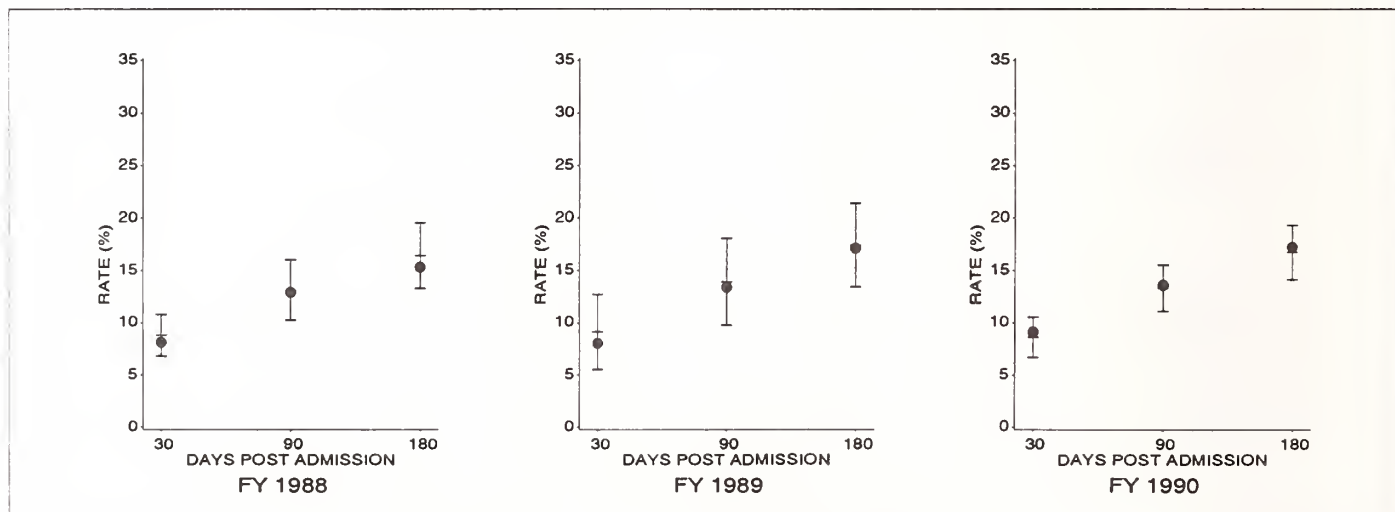
509 BROWN ST  
 SPRINGFIELD, TN 37172  
 Medicare Provider Number: 440065

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	996	9.1	8.6	1.0	13.6	13.3	1.1	17.2	16.7	1.3
CONDITIONS:										
Acute Myocardial Infarction.....	26	42.3	29.2	-----	42.3	32.3	-----	42.3	35.2	-----
Congestive Heart Failure.....	55	10.9	13.1	6.8	16.4	21.7	7.9	23.6	28.3	7.8
Pneumonia/Influenza.....	67	9.0	12.8	7.5	10.4	17.7	9.5	13.4	21.0	9.5
Chronic Obstructive Pulmonary Disease.....	28	3.6	4.4	-----	7.1	8.4	-----	17.9	12.0	-----
Transient Cerebral Ischemia.....	39	2.6	2.3	-----	2.6	4.8	-----	2.6	7.5	-----
Stroke.....	37	21.6	20.4	-----	27.0	27.3	-----	40.5	31.1	-----
Hip Fracture.....	25	16.0	6.0	-----	24.0	10.0	-----	24.0	12.8	-----
Sepsis.....	16	56.3	27.8	-----	56.3	37.4	-----	56.3	42.1	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	0.0	2.2	-----	0.0	4.9	-----	0.0	7.4	-----
Carotid Endarterectomy.....	1	0.0	0.6	-----	0.0	1.3	-----	0.0	2.1	-----
Hip Replacement/Reconstruction.....	9	0.0	5.4	-----	11.1	9.4	-----	11.1	11.9	-----
Open Reduction of Hip Fracture.....	13	15.4	4.7	-----	15.4	8.1	-----	15.4	10.5	-----
Prostatectomy.....	14	0.0	1.4	-----	7.1	3.3	-----	7.1	5.6	-----
Cholecystectomy.....	31	3.2	3.1	-----	3.2	5.3	-----	3.2	6.8	-----
Hysterectomy.....	7	0.0	3.5	-----	0.0	8.1	-----	0.0	12.4	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# JESSE HOLMAN JONES HOSPITAL

Medicare Provider Number: 440065

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.6 years  
 Proportion female..... 57.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 33.4 %  
 Transferred from skilled nursing facility..... 0.3 %  
 Admitted for elective procedure..... 9.6 %  
 Admitted for emergency..... 68.1 %

### COMORBIDITIES:

Cancer..... 5.8 %  
 Chronic cardiovascular disease..... 35.8 %  
 Chronic liver disease..... 0.5 %  
 Chronic renal disease..... 2.0 %  
 Chronic pulmonary disease..... 13.1 %  
 Cerebrovascular degeneration..... 4.6 %  
 Diabetes mellitus..... 6.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 80.7%  
 State ..... 13.7%  
 Outside State ..... 5.6%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.5 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 115  
 Occupancy Rate ..... 60.0 %  
 Ownership/Control..... Local Government  
 Medicare Discharges ..... 36.8 %  
 Case Mix Index (CMI) ..... 1.0729

### STAFFING:

Total Number of Physicians..... 31  
 Percent of Physicians Board  
 Certified Specialists ..... 58.1 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 83  
 Licensed Practical Nurses ..... 38

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... Yes  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... Yes  
 Medical/Surgical Intensive Care ..... No  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... No  
 Psychiatric ..... Yes  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# JOHN W HARTON REGIONAL MEDICAL CENTER

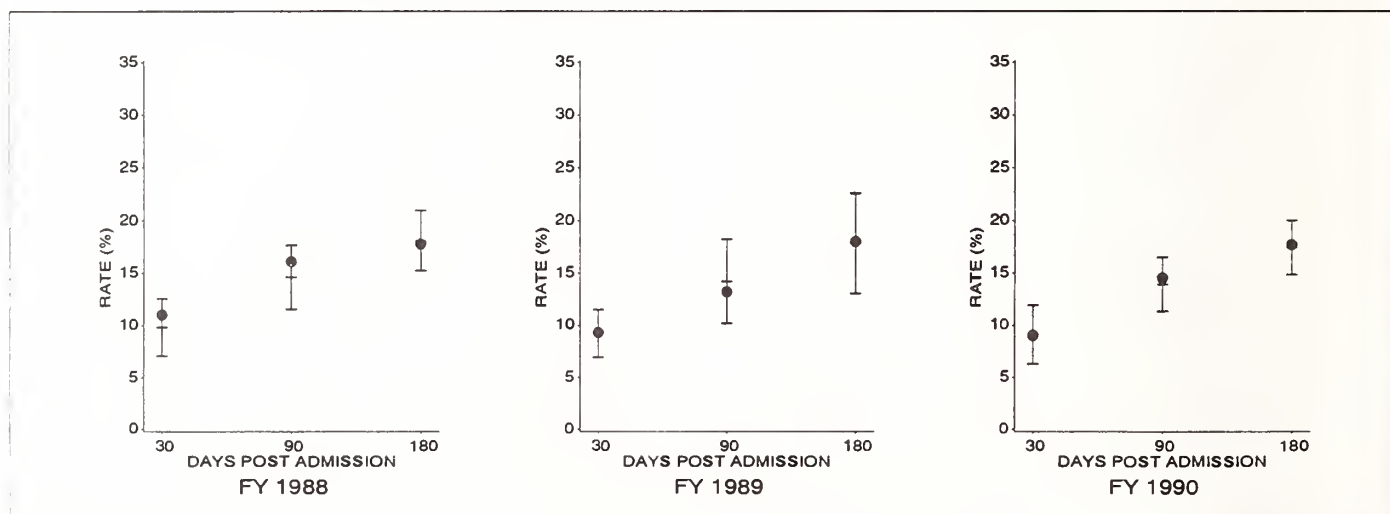
1801 N JACKSON ST, BOX 460  
TULLAHOMA, TN 37388  
Medicare Provider Number: 440144

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	866	9.0	9.1	1.4	14.5	13.9	1.3	17.7	17.4	1.3
CONDITIONS:										
Acute Myocardial Infarction.....	20	30.0	24.3	-----	40.0	27.6	-----	40.0	30.8	-----
Congestive Heart Failure.....	43	9.3	15.0	-----	20.9	24.0	-----	27.9	30.0	-----
Pneumonia/Influenza.....	75	12.0	12.9	4.2	18.7	17.9	4.8	24.0	21.3	5.7
Chronic Obstructive Pulmonary Disease.....	29	3.4	7.1	-----	10.3	13.1	-----	13.8	17.6	-----
Transient Cerebral Ischemia.....	15	0.0	2.5	-----	6.7	5.5	-----	6.7	8.5	-----
Stroke.....	32	25.0	17.1	-----	28.1	22.7	-----	31.3	26.4	-----
Hip Fracture.....	23	4.3	5.8	-----	13.0	10.6	-----	13.0	13.6	-----
Sepsis.....	9	11.1	22.8	-----	11.1	31.9	-----	11.1	36.2	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	4	0.0	2.4	-----	0.0	4.8	-----	0.0	7.4	-----
Carotid Endarterectomy.....	2	0.0	1.2	-----	0.0	2.0	-----	0.0	3.0	-----
Hip Replacement/Reconstruction.....	9	0.0	5.1	-----	11.1	9.5	-----	11.1	12.3	-----
Open Reduction of Hip Fracture.....	12	8.3	5.1	-----	16.7	9.7	-----	16.7	12.6	-----
Prostatectomy.....	21	0.0	0.7	-----	0.0	1.5	-----	0.0	2.6	-----
Cholecystectomy.....	11	0.0	1.1	-----	0.0	2.1	-----	0.0	2.7	-----
Hysterectomy.....	4	0.0	1.3	-----	0.0	3.0	-----	0.0	4.7	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# JOHN W HARTON REGIONAL MEDICAL CENTER

Medicare Provider Number: 440144

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.0 years  
 Proportion female..... 57.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 71.2 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 2.2 %  
 Admitted for emergency..... 35.8 %

### COMORBIDITIES:

Cancer..... 5.3 %  
 Chronic cardiovascular disease..... 37.6 %  
 Chronic liver disease..... 0.7 %  
 Chronic renal disease..... 3.0 %  
 Chronic pulmonary disease..... 22.3 %  
 Cerebrovascular degeneration..... 3.9 %  
 Diabetes mellitus..... 9.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 71.1 %  
 State ..... 26.9 %  
 Outside State ..... 2.0 %  
 Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.3 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 137  
 Ownership/Control..... Private, For Profit  
 Case Mix Index (CMI) ..... 1.1930

### STAFFING:

Medical Residents/Interns ..... 0  
 Registered Nurses..... 116  
 Licensed Practical Nurses ..... 48

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Coronary Care Unit ..... Yes  
 Hospice Care ..... No  
 Intensive Care Unit ..... Yes  
 Organ Transplant ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... Yes  
 Psychiatric ..... Yes  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# JOHNSON CITY MEDICAL CENTER HOSPITAL

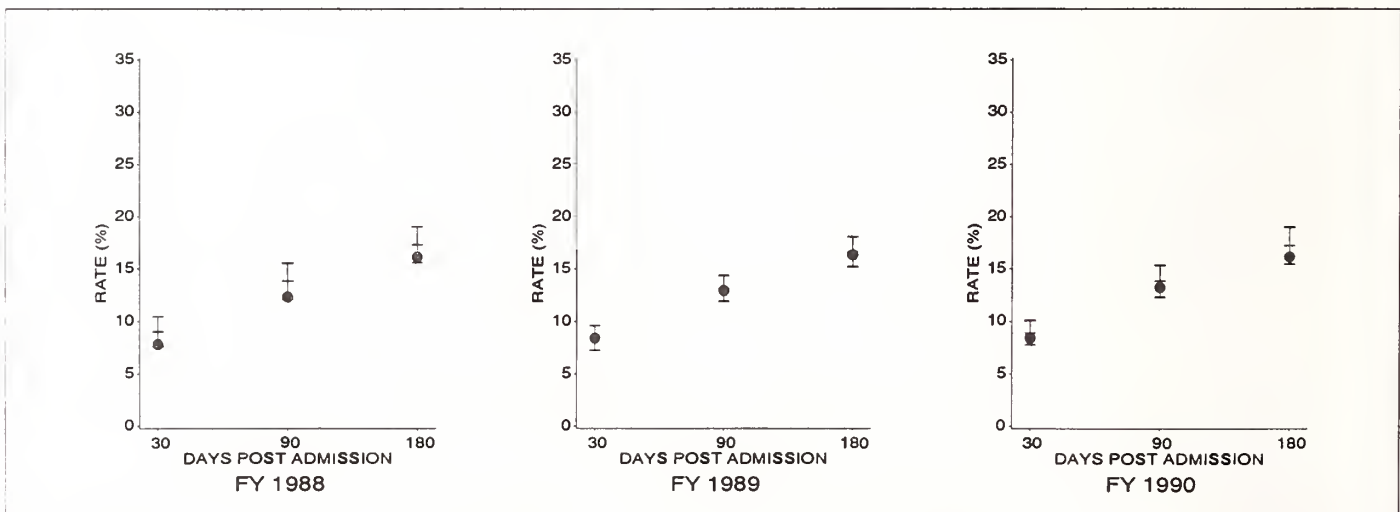
400 STATE OF FRANKLIN RD  
JOHNSON CITY, TN 37601  
Medicare Provider Number: 440063

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	3201	8.4	8.9	0.6	13.2	13.8	0.8	16.1	17.2	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	95	28.4	25.1	6.4	33.7	28.2	7.4	35.8	30.7	8.6
Congestive Heart Failure.....	142	17.6	14.1	4.1	27.5	22.7	6.4	33.1	28.8	6.3
Pneumonia/Influenza.....	144	9.7	16.3	5.3	18.1	22.4	5.4	22.2	26.3	5.2
Chronic Obstructive Pulmonary Disease.....	19	21.1	9.8	-----	36.8	16.2	-----	36.8	20.6	-----
Transient Cerebral Ischemia.....	67	1.5	2.0	3.8	9.0	4.4	4.5	9.0	7.0	5.5
Stroke.....	93	16.1	20.8	5.4	23.7	26.5	5.0	28.0	30.0	5.1
Hip Fracture.....	62	3.2	5.5	4.4	6.5	9.7	7.7	8.1	12.7	8.5
Sepsis.....	44	20.5	19.3	-----	25.0	28.2	-----	27.3	32.9	-----
PROCEDURES:										
Angioplasty.....	31	3.2	4.9	-----	3.2	5.9	-----	6.5	7.1	-----
Coronary Artery Bypass Graft.....	51	3.9	6.7	5.2	5.9	9.2	6.6	5.9	10.3	7.1
Initial Pacemaker Insertion.....	33	0.0	2.7	-----	0.0	5.5	-----	6.1	8.4	-----
Carotid Endarterectomy.....	15	0.0	1.8	-----	0.0	3.1	-----	0.0	4.4	-----
Hip Replacement/Reconstruction.....	65	3.1	2.8	2.7	7.7	5.1	3.6	10.8	7.0	4.5
Open Reduction of Hip Fracture.....	28	0.0	5.0	-----	0.0	9.2	-----	0.0	12.2	-----
Prostatectomy.....	79	2.5	1.0	1.7	2.5	2.4	1.8	5.1	4.1	2.5
Cholecystectomy.....	69	2.9	2.5	2.0	4.3	4.5	2.5	7.2	5.9	3.1
Hysterectomy.....	29	0.0	0.4	-----	0.0	0.9	-----	0.0	1.4	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# JOHNSON CITY MEDICAL CENTER HOSPITAL

Medicare Provider Number: 440063

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 72.0 years	Cancer..... 8.4 %
Proportion female..... 58.1 %	Chronic cardiovascular disease..... 30.9 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.7 %
Referred by personal or HMO physician..... 44.6 %	Chronic renal disease..... 4.9 %
Transferred from skilled nursing facility..... 0.8 %	Chronic pulmonary disease..... 13.3 %
Admitted for elective procedure..... 2.4 %	Cerebrovascular degeneration..... 4.9 %
Admitted for emergency..... 75.5 %	Diabetes mellitus..... 11.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 57.8%	Hospital ..... 8.6 Days
State..... 34.9%	State ..... 8.1 Days
Outside State ..... 7.3%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 407	Burn Unit ..... No
Occupancy Rate ..... 68.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, Non-Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 35.1 %	Hospice Care ..... Yes
Case Mix Index (CMI) ..... 1.3006	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... Yes
Total Number of Physicians..... 203	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 82.8 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 453	Alcohol/Drug..... No
Licensed Practical Nurses ..... 152	Rehabilitation..... Yes
	Psychiatric ..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# JOHNSON CITY SPECIALTY HOSPITAL

203 E WATAUGA AVE NE  
JOHNSON CITY, TN 37601  
Medicare Provider Number: 440105

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	10	0.0	1.3	-----	10.0	2.6	-----	10.0	3.8	-----
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (°) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# JOHNSON CITY SPECIALTY HOSPITAL

Medicare Provider Number: 440105

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 67.2 years	Cancer..... 0.0 %
Proportion female..... 40.0 %	Chronic cardiovascular disease..... 20.0 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.0 %
Referred by personal or HMO physician..... 90.0 %	Chronic renal disease..... 0.0 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 0.0 %
Admitted for elective procedure ..... 40.0 %	Cerebrovascular degeneration..... 0.0 %
Admitted for emergency..... 30.0 %	Diabetes mellitus..... 10.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 30.8%	Hospital ..... 3.4 Days
State ..... 53.8%	State ..... 8.1 Days
Outside State ..... 15.4%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 39	Burn Unit ..... No
Occupancy Rate ..... 2.6 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... (Not Available)	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.1585	Medical/Surgical Intensive Care ..... No
STAFFING:	Organ/Tissue Transplant ..... Yes
Total Number of Physicians..... 37	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 100.0 %	Trauma Center ..... No
Medical Residents/Interns ..... (Not Available)	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses ..... 4	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 1	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAFOLLETTE MEDICAL CENTER

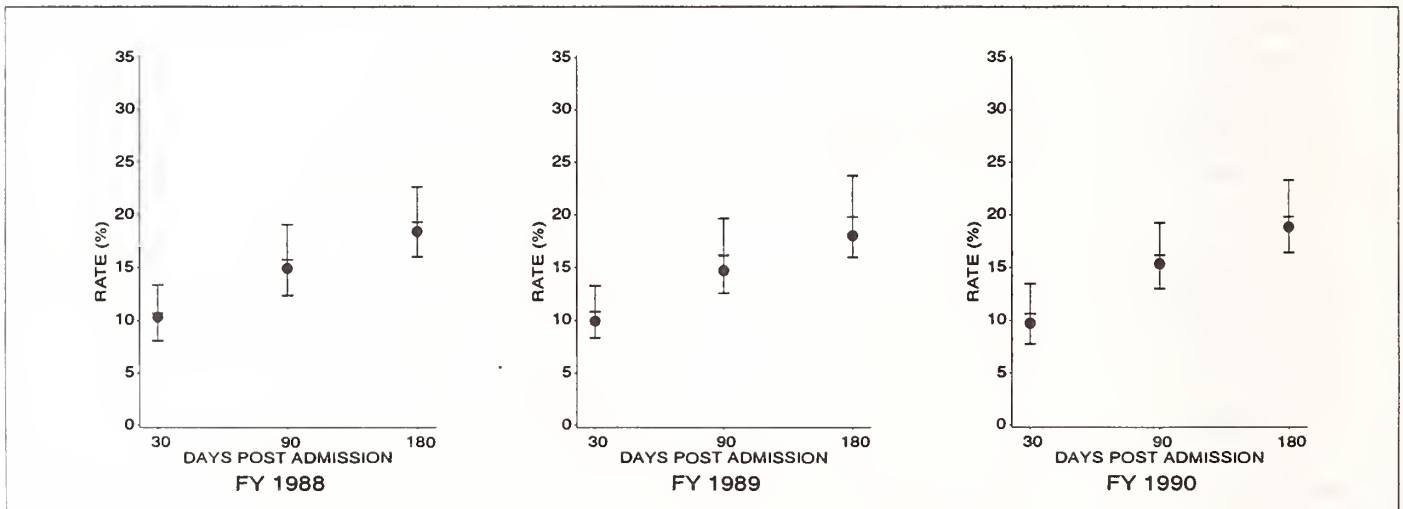
E CENTRAL AVE  
LA FOLLETTE, TN 37766  
Medicare Provider Number: 440033

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	713	9.7	10.6	1.4	15.3	16.1	1.6	18.8	19.8	1.7
CONDITIONS:										
Acute Myocardial Infarction.....	26	19.2	26.2	-----	19.2	30.2	-----	19.2	33.5	-----
Congestive Heart Failure.....	36	19.4	18.2	-----	30.6	28.7	-----	30.6	34.8	-----
Pneumonia/Influenza.....	44	18.2	17.0	-----	27.3	23.3	-----	27.3	27.4	-----
Chronic Obstructive Pulmonary Disease.....	18	0.0	6.1	-----	16.7	12.1	-----	22.2	17.2	-----
Transient Cerebral Ischemia.....	15	0.0	1.3	-----	0.0	2.9	-----	0.0	4.9	-----
Stroke.....	37	18.9	18.4	-----	27.0	24.7	-----	29.7	28.6	-----
Hip Fracture.....	10	0.0	9.0	-----	0.0	15.4	-----	10.0	19.1	-----
Sepsis.....	6	16.7	24.4	-----	16.7	35.7	-----	16.7	40.9	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	8	0.0	6.6	-----	0.0	11.7	-----	0.0	15.1	-----
Open Reduction of Hip Fracture.....	1	0.0	11.5	-----	0.0	20.9	-----	100.0	26.4	-----
Prostatectomy.....	0									
Cholecystectomy.....	10	0.0	1.5	-----	0.0	2.6	-----	0.0	3.4	-----
Hysterectomy.....	2	0.0	0.1	-----	0.0	0.1	-----	0.0	0.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LAFOLLETTE MEDICAL CENTER

Medicare Provider Number: 440033

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.3 years  
 Proportion female..... 60.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 18.1 %  
 Transferred from skilled nursing facility..... 1.5 %  
 Admitted for elective procedure..... 3.6 %  
 Admitted for emergency..... 5.6 %

### COMORBIDITIES:

Cancer..... 4.9 %  
 Chronic cardiovascular disease..... 42.4 %  
 Chronic liver disease..... 1.1 %  
 Chronic renal disease..... 2.4 %  
 Chronic pulmonary disease..... 27.3 %  
 Cerebrovascular degeneration..... 7.1 %  
 Diabetes mellitus..... 6.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.4%  
 State ..... 10.0%  
 Outside State ..... 2.6%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.3 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 165  
 Occupancy Rate ..... 86.0 %  
 Ownership/Control..... Local Government  
 Medicare Discharges ..... 49.5 %  
 Case Mix Index (CMI) ..... 1.1334

### STAFFING:

Total Number of Physicians..... 11  
 Percent of Physicians Board  
 Certified Specialists ..... 100.0 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 27  
 Licensed Practical Nurses ..... 44

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... No  
 Psychiatric ..... No  
 Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAKESHORE MENTAL HEALTH INSTITUTE

5908 LYONS VIEW PIKE  
 KNOXVILLE, TN 37919  
 Medicare Provider Number: 440128

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	3	0.0	9.1	-----	0.0	14.4	-----	0.0	18.9	-----
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	1	0.0	9.1	-----	0.0	12.1	-----	0.0	15.8	-----
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (°) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation was not computed for one or more of the three fiscal years, (1988, 1989, or 1990)



# LAKESHORE MENTAL HEALTH INSTITUTE

Medicare Provider Number: 440128

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	72.3 years	Cancer.....	0.0 %
Proportion female.....	0.0 %	Chronic cardiovascular disease.....	0.0 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.0 %
Referred by personal or HMO physician.....	0.0 %	Chronic renal disease.....	0.0 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	0.0 %
Admitted for elective procedure.....	0.0 %	Cerebrovascular degeneration.....	66.7 %
Admitted for emergency.....	0.0 %	Diabetes mellitus.....	0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	38.5%	Hospital .....	10.2 Days
State .....	61.5%	State .....	8.1 Days
Outside State .....	0.0%	National .....	8.6 Days
Total .....	100.0%		

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	
Total Beds .....	499
Occupancy Rate .....	83.0 %
Ownership/Control.....	State Government
Medicare Discharges .....	(Not Available)
Case Mix Index (CMI) .....	1.0155
<b>STAFFING:</b>	
Total Number of Physicians.....	31
Percent of Physicians Board Certified Specialists .....	48.4 %
Medical Residents/Interns .....	0
Registered Nurses.....	66
Licensed Practical Nurses .....	17
<b>SPECIALTY SERVICES:</b>	
Burn Unit .....	No
Cardiac Intensive Care .....	No
Comprehensive Geriatric .....	No
Hospice Care .....	No
Medical/Surgical Intensive Care .....	No
Organ/Tissue Transplant .....	No
Other Intensive Care .....	No
Trauma Center .....	No
<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
Alcohol/Drug .....	No
Rehabilitation.....	No
Psychiatric .....	Yes
Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

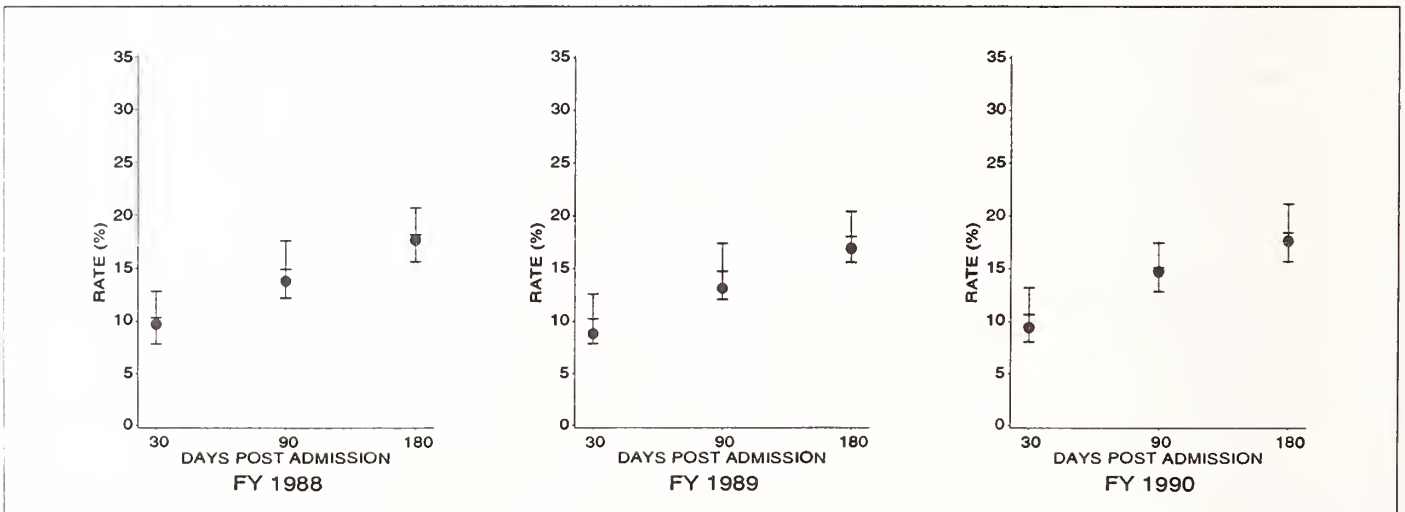
**LAUGHLIN HOSPITAL**  
 215 N COLLEGE ST  
 GREENEVILLE, TN 37743  
 Medicare Provider Number: 440025

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1313	9.4	10.6	1.3	14.7	15.1	1.2	17.6	18.4	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	48	29.2	32.0	----	31.2	34.7	----	33.3	37.6	----
Congestive Heart Failure.....	67	9.0	13.2	5.1	16.4	20.9	7.9	20.9	26.9	7.5
Pneumonia/Influenza.....	132	14.4	17.4	3.9	22.7	23.8	3.8	25.0	27.8	4.1
Chronic Obstructive Pulmonary Disease.....	44	2.3	4.1	----	2.3	7.9	----	4.5	11.1	----
Transient Cerebral Ischemia.....	14	21.4	2.7	----	28.6	5.9	----	28.6	9.2	----
Stroke.....	62	21.0	22.2	6.0	35.5	27.4	6.4	38.7	31.0	8.2
Hip Fracture.....	33	3.0	6.3	----	12.1	10.9	----	12.1	13.9	----
Sepsis.....	19	42.1	30.8	----	42.1	40.8	----	52.6	45.8	----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	19	0.0	3.9	----	5.3	7.2	----	5.3	9.6	----
Open Reduction of Hip Fracture.....	16	6.3	6.3	----	12.5	11.3	----	12.5	14.4	----
Prostatectomy.....	19	0.0	1.0	----	0.0	2.0	----	0.0	3.2	----
Cholecystectomy.....	26	7.7	3.3	----	11.5	6.1	----	11.5	8.2	----
Hysterectomy.....	11	0.0	0.2	----	0.0	0.4	----	0.0	0.7	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**LAUGHLIN HOSPITAL**  
 Medicare Provider Number: 440025

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	74.2 years	Cancer.....	5.4 %
Proportion female.....	58.6 %	Chronic cardiovascular disease.....	36.6 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.4 %
Referred by personal or HMO physician.....	32.4 %	Chronic renal disease.....	1.6 %
Transferred from skilled nursing facility.....	1.5 %	Chronic pulmonary disease.....	17.4 %
Admitted for elective procedure.....	0.8 %	Cerebrovascular degeneration.....	2.3 %
Admitted for emergency.....	89.2 %	Diabetes mellitus.....	9.4 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	85.6%	Hospital .....	8.1 Days
State .....	12.4%	State .....	8.1 Days
Outside State .....	2.0%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds .....	Burn Unit .....
Occupancy Rate .....	Cardiac intensive Care .....
Ownership Control.....	Comprehensive Geriatric .....
Medicare Discharges .....	Hospice Care .....
Case Mix Index (CMI) .....	Medical/Surgical Intensive Care .....
STAFFING:	Organ/Tissue Transplant .....
Total Number of Physicians.....	Other Intensive Care .....
Percent of Physicians Board Certified Specialists .....	Trauma Center .....
Medical Residents/Interns .....	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses.....	Alcohol/Drug .....
Licensed Practical Nurses.....	Rehabilitation.....
	Psychiatric .....
	Medicare Swing Beds .....

\*\* Except for CMI

\* Not used in calculating mortality rates

# LEWIS COUNTY HOSPITAL

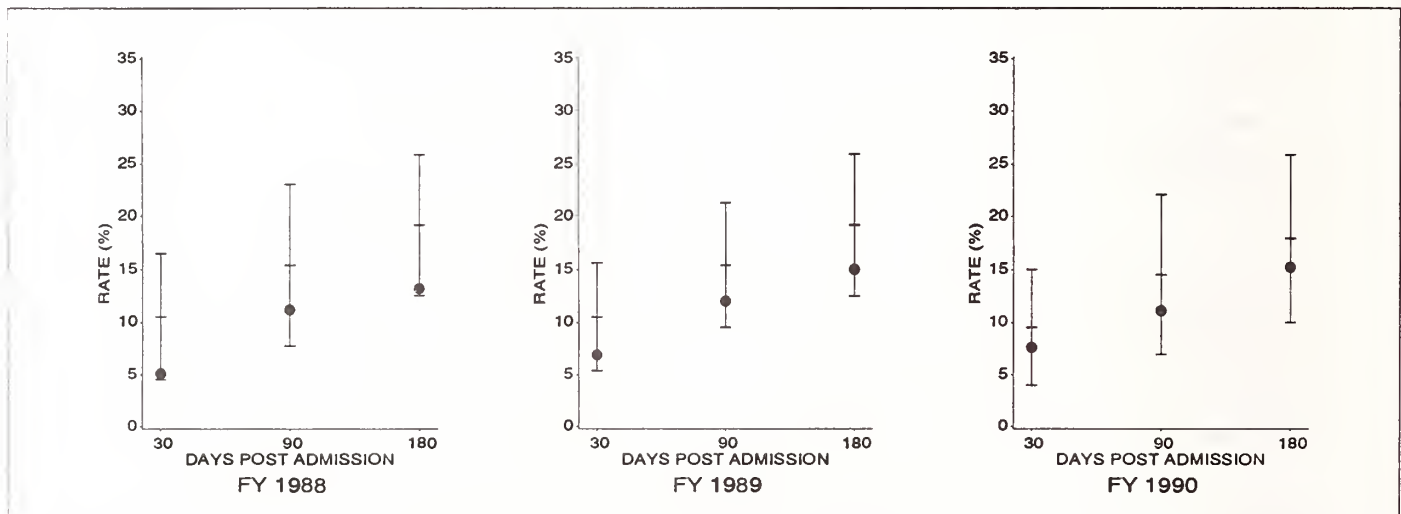
LINDEN HIGHWAY, BOX 879  
HOHENWALD, TN 38462  
Medicare Provider Number: 440160

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	198	7.6	9.5	2.8	11.1	14.5	3.8	15.2	17.9	4.0
CONDITIONS:										
Acute Myocardial Infarction.....	4	0.0	27.9	-----	0.0	30.3	-----	0.0	33.5	-----
Congestive Heart Failure.....	14	7.1	14.3	-----	14.3	23.2	-----	21.4	28.9	-----
Pneumonia/Influenza.....	19	10.5	15.3	-----	15.8	20.4	-----	15.8	24.1	-----
Chronic Obstructive Pulmonary Disease.....	2	0.0	5.4	-----	0.0	10.3	-----	0.0	13.8	-----
Transient Cerebral Ischemia.....	0									
Stroke.....	3	0.0	17.2	-----	0.0	22.6	-----	0.0	26.2	-----
Hip Fracture.....	0									
Sepsis.....	5	20.0	32.8	-----	60.0	46.0	-----	60.0	51.8	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	5	0.0	1.4	-----	0.0	2.8	-----	0.0	4.1	-----
Hysterectomy.....	1	0.0	0.0	-----	0.0	0.1	-----	0.0	0.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# LEWIS COUNTY HOSPITAL

Medicare Provider Number: 440160

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 72.0 years	Cancer..... 4.5 %
Proportion female..... 49.5 %	Chronic cardiovascular disease..... 20.2 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 2.0 %
Referred by personal or HMO physician..... 0.0 %	Chronic renal disease..... 2.0 %
Transferred from skilled nursing facility..... 0.5 %	Chronic pulmonary disease..... 10.6 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 4.0 %
Admitted for emergency..... 0.0 %	Diabetes mellitus..... 5.6 %

### ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 71.5%	Hospital ..... 8.5 Days
State ..... 24.5%	State ..... 8.1 Days
Outside State ..... 4.0%	National ..... 8.6 Days
Total ..... 100.0%	

### HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 52 Occupancy Rate ..... 36.0 % Ownership/Control..... Private, Non-Profit Medicare Discharges ..... 37.6 % Case Mix Index (CMI) ..... 1.0381	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... No Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 5 Percent of Physicians Board Certified Specialists .....(Not Available) Medical Residents/Interns ..... 0 Registered Nurses..... 17 Licensed Practical Nurses..... 39	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... Yes Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... Yes
** Except for CMI	

\* Not used in calculating mortality rates

# LEWISBURG COMMUNITY HOSPITAL

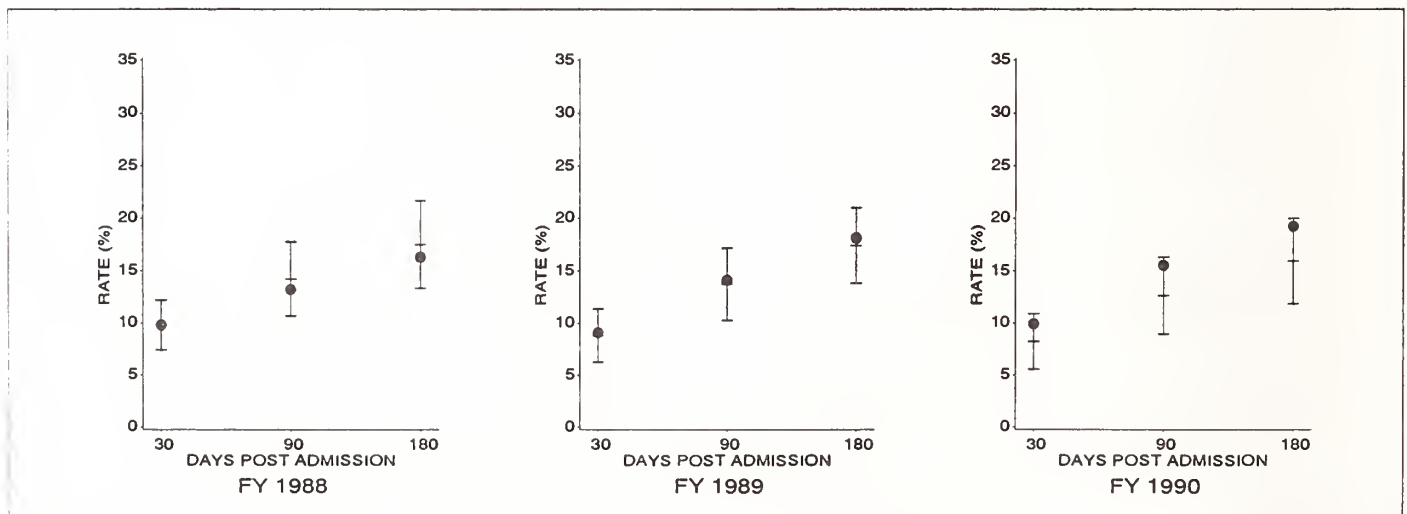
ELLINGTON PARKWAY  
LEWISBURG, TN 37091  
Medicare Provider Number: 440143

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	547	9.9	8.2	1.3	15.5	12.6	1.8	19.2	15.9	2.0
CONDITIONS:										
Acute Myocardial Infarction.....	22	22.7	22.1	-----	22.7	25.0	-----	31.8	28.1	-----
Congestive Heart Failure.....	38	23.7	14.4	-----	28.9	22.9	-----	36.8	29.4	-----
Pneumonia/Influenza.....	42	21.4	13.1	-----	26.2	17.5	-----	26.2	20.6	-----
Chronic Obstructive Pulmonary Disease.....	12	8.3	7.5	-----	33.3	13.0	-----	33.3	17.5	-----
Transient Cerebral Ischemia.....	15	0.0	1.2	-----	0.0	2.9	-----	0.0	5.1	-----
Stroke.....	10	0.0	20.2	-----	10.0	28.4	-----	10.0	32.2	-----
Hip Fracture.....	8	12.5	7.1	-----	37.5	13.0	-----	37.5	16.9	-----
Sepsis.....	6	16.7	23.2	-----	50.0	33.8	-----	50.0	39.8	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	25.0	6.2	-----	50.0	12.1	-----	50.0	16.2	-----
Open Reduction of Hip Fracture.....	2	0.0	8.1	-----	50.0	14.1	-----	50.0	17.5	-----
Prostatectomy.....	2	0.0	0.9	-----	0.0	2.2	-----	0.0	3.8	-----
Cholecystectomy.....	3	33.3	2.3	-----	33.3	3.9	-----	33.3	5.0	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LEWISBURG COMMUNITY HOSPITAL

Medicare Provider Number: 440143

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.8 years  
 Proportion female..... 55.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 57.8 %  
 Transferred from skilled nursing facility..... 0.2 %  
 Admitted for elective procedure..... 1.6 %  
 Admitted for emergency..... 10.4 %

### COMORBIDITIES:

Cancer..... 2.4 %  
 Chronic cardiovascular disease..... 42.8 %  
 Chronic liver disease..... 1.3 %  
 Chronic renal disease..... 3.1 %  
 Chronic pulmonary disease..... 21.0 %  
 Cerebrovascular degeneration..... 3.8 %  
 Diabetes mellitus..... 10.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 76.4%  
 State ..... 21.1%  
 Outside State ..... 2.5%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.1 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 115  
 Occupancy Rate ..... 39.0 %  
 Ownership/Control..... Private, For Profit  
 Medicare Discharges ..... 19.9 %  
 Case Mix Index (CMI) ..... 0.9836

### STAFFING:

Total Number of Physicians..... 23  
 Percent of Physicians Board  
 Certified Specialists ..... 73.9 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 35  
 Licensed Practical Nurses ..... 17

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... Yes  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care..... No  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... Yes  
 Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
 Rehabilitation..... No  
 Psychiatric..... No  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used In calculating mortality rates

# LINCOLN COUNTY HOSPITAL

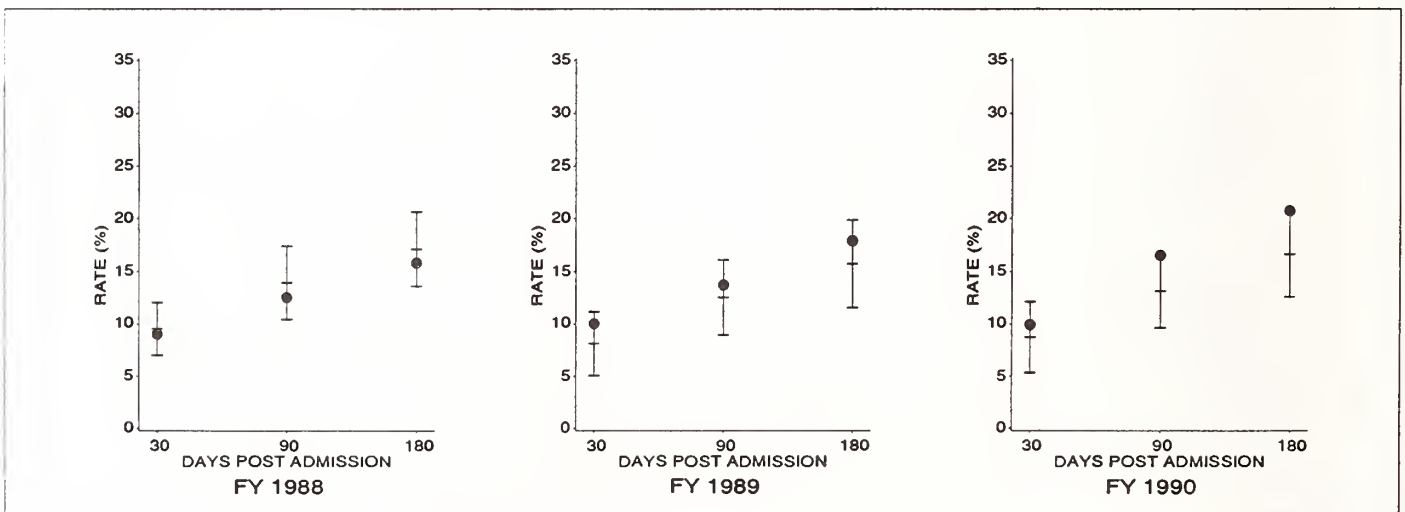
700 W MAPLE  
FAYETTEVILLE, TN 37334  
Medicare Provider Number: 440102

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	637	9.9	8.7	1.7	16.5	13.1	1.8	20.7	16.6	2.0
CONDITIONS:										
Acute Myocardial Infarction.....	25	16.0	30.5	-----	16.0	33.8	-----	28.0	37.4	-----
Congestive Heart Failure.....	44	9.1	12.2	-----	25.0	19.2	-----	31.8	25.1	-----
Pneumonia/Influenza.....	53	17.0	13.6	9.5	26.4	18.8	12.2	26.4	22.4	13.7
Chronic Obstructive Pulmonary Disease.....	16	0.0	6.0	-----	12.5	12.1	-----	25.0	17.4	-----
Transient Cerebral Ischemia.....	23	0.0	1.7	-----	4.3	3.9	-----	4.3	6.2	-----
Stroke.....	25	20.0	19.6	-----	32.0	25.1	-----	36.0	28.9	-----
Hip Fracture.....	3	33.3	5.5	-----	33.3	9.9	-----	33.3	12.4	-----
Sepsis.....	15	33.3	23.0	-----	33.3	31.9	-----	53.3	36.7	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	1	100.0	2.9	-----	100.0	5.4	-----	100.0	7.1	-----
Prostatectomy.....	12	0.0	1.2	-----	0.0	2.5	-----	0.0	4.3	-----
Cholecystectomy.....	17	5.9	1.5	-----	5.9	2.7	-----	5.9	3.7	-----
Hysterectomy.....	5	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**LINCOLN COUNTY HOSPITAL**  
 Medicare Provider Number: 440102

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	76.5 years	Cancer.....	4.6 %
Proportion female.....	57.5 %	Chronic cardiovascular disease.....	33.8 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.2 %
Referred by personal or HMO physician.....	90.3 %	Chronic renal disease.....	2.4 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	11.3 %
Admitted for elective procedure.....	1.9 %	Cerebrovascular degeneration.....	6.6 %
Admitted for emergency.....	13.5 %	Diabetes mellitus.....	6.6 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	88.1%	Hospital .....	6.1 Days
State .....	9.8%	State .....	8.1 Days
Outside State .....	2.1%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds .....	91	Burn Unit .....	No
Occupancy Rate .....	31.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	Local Government	Comprehensive Geriatric .....	No
Medicare Discharges .....	42.4 %	Hospice Care .....	No
Case Mix Index (CMI) .....	1.0398	Medical/Surgical Intensive Care .....	Yes
STAFFING:		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	21	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists .....	90.5 %	Trauma Center .....	No
Medical Residents/Interns .....	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses.....	34	Alcohol/Drug .....	No
Licensed Practical Nurses.....	31	Rehabilitation.....	No
		Psychiatric .....	No
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LIVINGSTON REGIONAL HOSPITAL

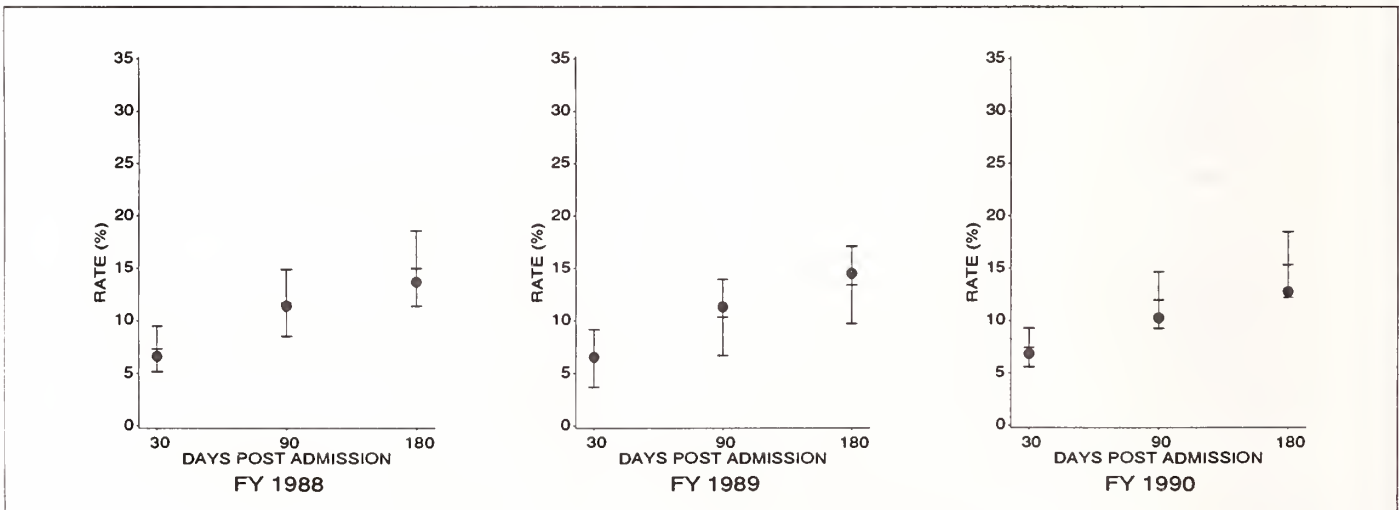
315 OAK ST, BOX 550  
LIVINGSTON, TN 38570  
Medicare Provider Number: 440187

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	873	6.8	7.4	0.9	10.2	11.9	1.4	12.7	15.3	1.6
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	29	31.0	18.4	-----	31.0	22.2	-----	31.0	25.1	-----
Congestive Heart Failure.....	59	16.9	14.6	5.1	20.3	24.0	6.8	27.1	30.7	7.9
Pneumonia/Influenza.....	107	8.4	10.9	3.9	13.1	15.5	4.7	14.0	18.6	5.5
Chronic Obstructive Pulmonary Disease.....	30	3.3	4.9	-----	10.0	9.9	-----	20.0	14.3	-----
Transient Cerebral Ischemia.....	29	0.0	1.0	-----	6.9	2.6	-----	6.9	4.8	-----
Stroke.....	25	20.0	19.3	-----	32.0	27.5	-----	36.0	32.1	-----
Hip Fracture.....	1	0.0	4.0	-----	0.0	7.4	-----	0.0	10.3	-----
Sepsis.....	5	20.0	15.6	-----	40.0	22.5	-----	40.0	26.7	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	12	0.0	1.2	-----	0.0	2.9	-----	8.3	4.9	-----
Cholecystectomy.....	14	0.0	1.5	-----	0.0	3.0	-----	0.0	4.0	-----
Hysterectomy.....	3	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LIVINGSTON REGIONAL HOSPITAL

Medicare Provider Number: 440187

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 73.7 years	Cancer..... 4.6 %
Proportion female..... 57.0 %	Chronic cardiovascular disease..... 35.1 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.6 %
Referred by personal or HMO physician..... 98.4 %	Chronic renal disease..... 2.3 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 21.1 %
Admitted for elective procedure..... 36.9 %	Cerebrovascular degeneration..... 5.2 %
Admitted for emergency..... 17.1 %	Diabetes mellitus..... 14.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 57.4%	Hospital ..... 6.9 Days
State ..... 32.9%	State ..... 8.1 Days
Outside State ..... 9.7%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 97	Burn Unit ..... No
Occupancy Rate ..... 55.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 51.0 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.0215	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 14	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 28.6 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 27	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 45	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MACON COUNTY GENERAL HOSPITAL

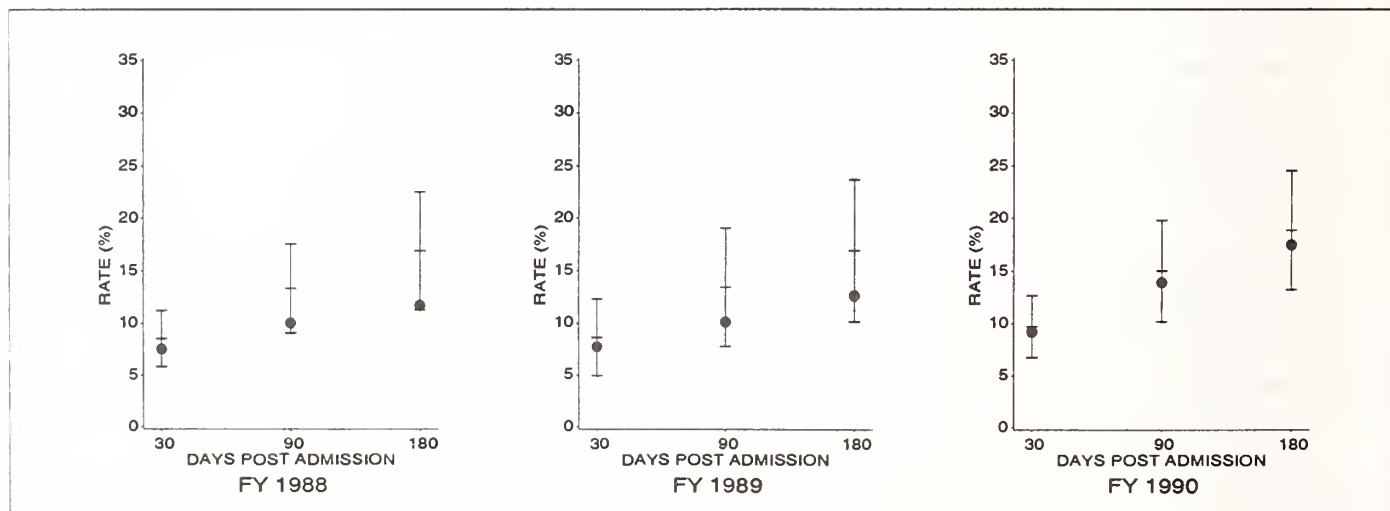
204 MEDICAL DR  
LAFAYETTE, TN 37083  
Medicare Provider Number: 440078

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	424	9.2	9.7	1.5	13.9	15.0	2.4	17.5	18.9	2.8
CONDITIONS:										
Acute Myocardial Infarction.....	9	44.4	25.7	-----	55.6	30.3	-----	55.6	33.5	-----
Congestive Heart Failure.....	27	22.2	15.2	-----	29.6	24.1	-----	33.3	30.4	-----
Pneumonia/Influenza.....	39	5.1	16.4	-----	15.4	22.9	-----	15.4	26.9	-----
Chronic Obstructive Pulmonary Disease.....	15	20.0	5.7	-----	26.7	10.8	-----	26.7	15.1	-----
Transient Cerebral Ischemia.....	13	0.0	2.2	-----	0.0	4.9	-----	0.0	7.7	-----
Stroke.....	13	15.4	19.5	-----	15.4	24.8	-----	15.4	28.9	-----
Hip Fracture.....	1	0.0	5.4	-----	0.0	9.9	-----	0.0	13.7	-----
Sepsis.....	8	12.5	29.2	-----	25.0	35.4	-----	25.0	39.8	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





# MACON COUNTY GENERAL HOSPITAL

Medicare Provider Number: 440078

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.5 years	Cancer..... 5.0 %
Proportion female..... 60.8 %	Chronic cardiovascular disease..... 30.4 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.5 %
Referred by personal or HMO physician..... 42.9 %	Chronic renal disease..... 1.2 %
Transferred from skilled nursing facility..... 2.1 %	Chronic pulmonary disease..... 24.5 %
Admitted for elective procedure..... 0.2 %	Cerebrovascular degeneration..... 2.8 %
Admitted for emergency..... 45.5 %	Diabetes mellitus..... 6.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 80.8%	Hospital ..... 6.5 Days
State ..... 14.4%	State ..... 8.1 Days
Outside State ..... 4.8%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 43	Burn Unit ..... No
Occupancy Rate ..... 51.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, Non-Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 59.0 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 0.9747	Medical/Surgical Intensive Care..... No
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 5	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 40.0 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 13	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 14	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MAURY REGIONAL HOSPITAL

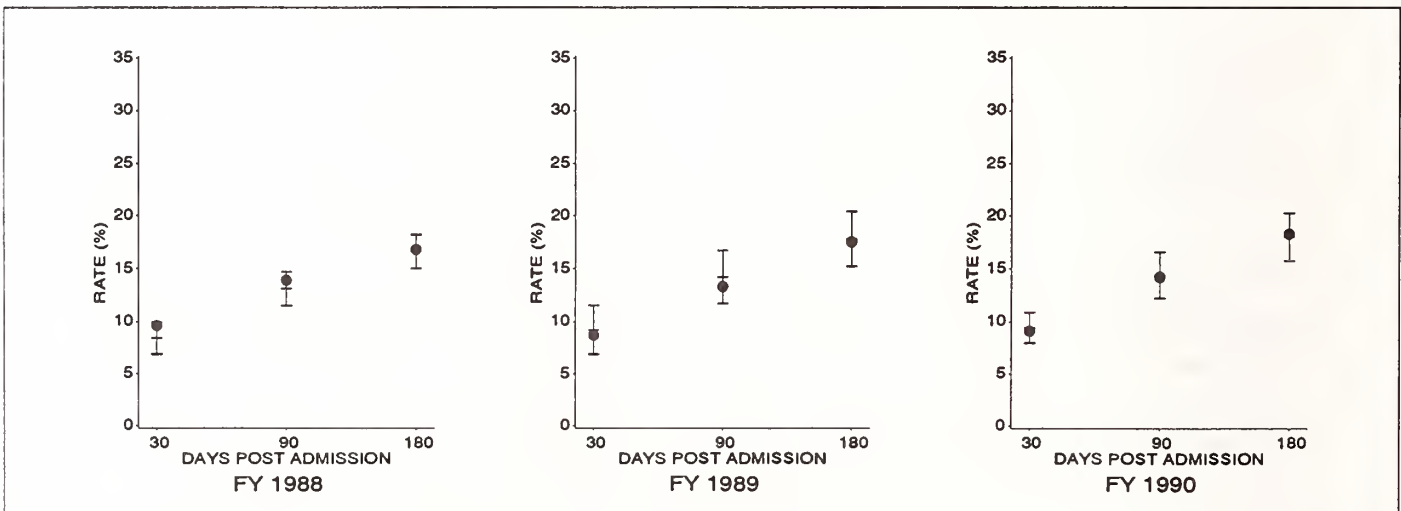
1224 TROTWOOD AVE  
COLUMBIA, TN 38401  
Medicare Provider Number: 440073

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	2099	9.1	9.4	0.7	14.2	14.4	1.1	18.3	18.0	1.1
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	75	30.7	27.1	6.0	32.0	30.4	6.0	34.7	33.3	6.8
Congestive Heart Failure.....	122	9.0	14.8	6.0	19.7	23.7	7.5	26.2	30.2	8.1
Pneumonia/Influenza.....	130	13.8	15.3	3.4	26.2	21.5	5.1	28.5	25.4	4.8
Chronic Obstructive Pulmonary Disease.....	39	10.3	8.2	-----	12.8	14.9	-----	20.5	20.1	-----
Transient Cerebral Ischemia.....	24	4.2	1.6	-----	8.3	3.5	-----	8.3	5.7	-----
Stroke.....	62	22.6	19.1	6.4	27.4	25.7	5.8	30.6	29.6	5.9
Hip Fracture.....	108	3.7	5.5	3.1	4.6	9.9	5.0	6.5	13.0	5.9
Sepsis.....	43	25.6	23.4	-----	32.6	32.0	-----	39.5	36.7	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	9	11.1	4.8	-----	22.2	9.2	-----	22.2	12.5	-----
Carotid Endarterectomy.....	10	0.0	1.5	-----	0.0	2.7	-----	0.0	3.9	-----
Hip Replacement/Reconstruction.....	59	1.7	3.6	3.0	3.4	6.4	4.9	3.4	8.4	6.7
Open Reduction of Hip Fracture.....	52	5.8	5.6	4.3	5.8	10.5	7.0	9.6	14.0	8.1
Prostatectomy.....	93	0.0	0.7	1.3	2.2	1.7	1.5	4.3	2.9	2.2
Cholecystectomy.....	54	7.4	2.9	4.9	11.1	5.6	6.0	11.1	7.5	6.0
Hysterectomy.....	25	0.0	0.2	-----	0.0	0.5	-----	0.0	0.9	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**MAURY REGIONAL HOSPITAL**  
 Medicare Provider Number: 440073

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.1 years	Cancer..... 9.1 %
Proportion female..... 59.0 %	Chronic cardiovascular disease..... 33.3 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.9 %
Referred by personal or HMO physician..... 54.7 %	Chronic renal disease..... 3.1 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 11.1 %
Admitted for elective procedure..... 13.5 %	Cerebrovascular degeneration..... 4.0 %
Admitted for emergency..... 22.8 %	Diabetes mellitus..... 8.5 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 64.6%	Hospital ..... 6.4 Days
State ..... 34.2%	State ..... 8.1 Days
Outside State ..... 1.2%	National ..... 8.6 Days
Total ..... 100.0%	

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>
Total Beds ..... 275	Burn Unit ..... No
Occupancy Rate ..... 50.0 %	Cardiac intensive Care ..... Yes
Ownership/Control..... Local Government	Comprehensive Geriatric ..... No
Medicare Discharges ..... 33.0 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.2937	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 84	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 84.5 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 151	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 62	Rehabilitation..... No
	Psychiatric ..... Yes
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MCNAIRY COUNTY GENERAL HOSPITAL

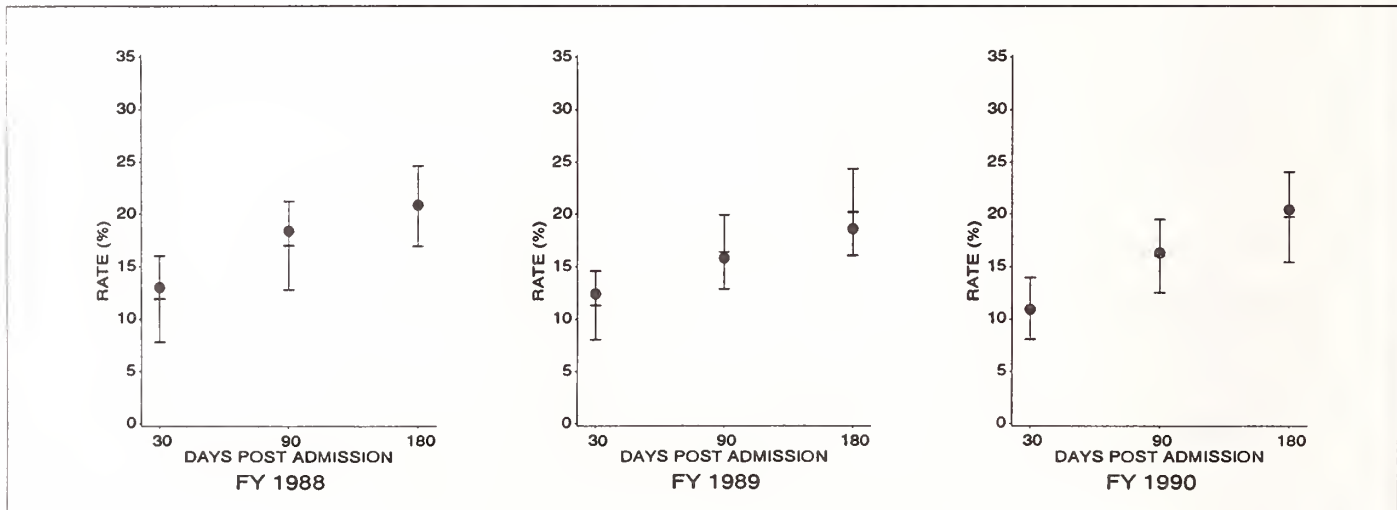
705 E POPLAR AVE  
SELMER, TN 38375  
Medicare Provider Number: 440051

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	460	10.9	11.0	1.5	16.3	16.0	1.8	20.4	19.7	2.2
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	16	43.8	38.8	-----	50.0	42.2	-----	56.3	45.9	-----
Congestive Heart Failure.....	20	35.0	15.7	-----	40.0	23.7	-----	45.0	30.6	-----
Pneumonia/Influenza.....	64	17.2	16.3	4.7	23.4	22.6	6.0	26.6	26.5	6.1
Chronic Obstructive Pulmonary Disease.....	9	44.4	8.1	-----	44.4	13.5	-----	44.4	17.3	-----
Transient Cerebral Ischemia.....	12	0.0	1.4	-----	0.0	3.1	-----	0.0	5.2	-----
Stroke.....	22	9.1	21.1	-----	18.2	27.3	-----	22.7	31.2	-----
Hip Fracture.....	0									
Sepsis.....	8	12.5	37.9	-----	12.5	43.8	-----	12.5	47.1	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	5	0.0	1.9	-----	0.0	3.3	-----	0.0	4.1	-----
Hysterectomy.....	4	0.0	0.6	-----	0.0	1.3	-----	0.0	2.0	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MCNAIRY COUNTY GENERAL HOSPITAL

Medicare Provider Number: 440051

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 76.0 years	Cancer..... 4.1 %
Proportion female..... 58.5 %	Chronic cardiovascular disease..... 34.8 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.7 %
Referred by personal or HMO physician..... 91.7 %	Chronic renal disease..... 4.3 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 11.7 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 6.3 %
Admitted for emergency..... 98.0 %	Diabetes mellitus..... 4.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 78.0%	Hospital ..... 5.6 Days
State ..... 19.6%	State ..... 8.1 Days
Outside State ..... 2.4%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 86 Occupancy Rate ..... 25.0 % Ownership/Control..... Local Government Medicare Discharges ..... 49.3 % Case Mix Index (CMI) ..... 0.9085	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care..... No Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 12 Percent of Physicians Board Certified Specialists ..... 75.0 % Medical Residents/Interns ..... 0 Registered Nurses..... 25 Licensed Practical Nurses ..... 11	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# MEDICAL CENTER OF MANCHESTER

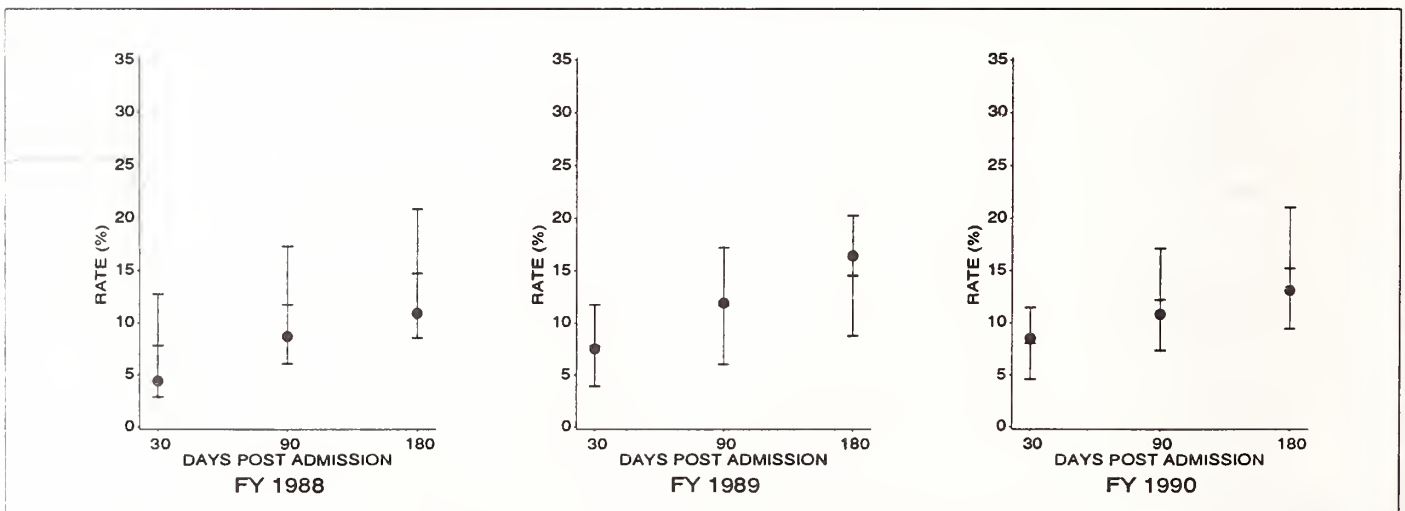
RT 6 BOX 6015 INTERSTATE DR  
MANCHESTER, TN 37355  
Medicare Provider Number: 440203

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	260	8.5	8.0	1.7	10.8	12.2	2.4	13.1	15.2	2.9
CONDITIONS:										
Acute Myocardial Infarction.....	4	50.0	29.2	-----	50.0	32.7	-----	50.0	35.5	-----
Congestive Heart Failure.....	12	16.7	14.6	-----	16.7	22.7	-----	16.7	27.8	-----
Pneumonia/Influenza.....	34	11.8	13.3	-----	14.7	18.2	-----	17.6	21.2	-----
Chronic Obstructive Pulmonary Disease.....	5	0.0	4.8	-----	0.0	9.5	-----	20.0	13.6	-----
Transient Cerebral Ischemia.....	8	0.0	3.1	-----	12.5	6.8	-----	12.5	10.9	-----
Stroke.....	5	20.0	17.1	-----	20.0	23.1	-----	20.0	26.0	-----
Hip Fracture.....	8	0.0	6.5	-----	0.0	10.9	-----	0.0	13.9	-----
Sepsis.....	1	0.0	24.6	-----	0.0	31.2	-----	0.0	34.0	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	3	0.0	2.3	-----	0.0	4.6	-----	0.0	6.7	-----
Open Reduction of Hip Fracture.....	4	0.0	5.3	-----	0.0	8.9	-----	0.0	11.8	-----
Prostatectomy.....	11	0.0	0.8	-----	0.0	1.9	-----	9.1	3.3	-----
Cholecystectomy.....	3	33.3	9.9	-----	33.3	18.2	-----	33.3	22.8	-----
Hysterectomy.....	2	0.0	1.4	-----	0.0	2.1	-----	0.0	2.8	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (%) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**MEDICAL CENTER OF MANCHESTER**  
 Medicare Provider Number: 440203

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	70.4 years	Cancer.....	3.8 %
Proportion female.....	52.7 %	Chronic cardiovascular disease.....	27.3 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	1.2 %
Referred by personal or HMO physician.....	44.2 %	Chronic renal disease.....	0.8 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	11.9 %
Admitted for elective procedure.....	0.4 %	Cerebrovascular degeneration.....	1.2 %
Admitted for emergency.....	53.1 %	Diabetes mellitus.....	8.8 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	71.2%	Hospital .....	4.7 Days
State .....	26.5%	State .....	8.1 Days
Outside State .....	2.3%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

PROFILE:	SPECIALTY SERVICES:
Total Beds .....	Burn Unit .....
Ownership/Control.....	Coronary Care Unit .....
Case Mix Index (CMI) .....	Hospice Care .....
STAFFING:	Intensive Care Unit .....
Medical Residents/Interns .....	Organ Transplant .....
Registered Nurses.....	Trauma Center .....
Licensed Practical Nurses.....	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/Drug.....
	Rehabilitation.....
	Psychiatric.....
	Medicare Swing Beds .....

\*\* Except for CMI

\* Not used in calculating mortality rates

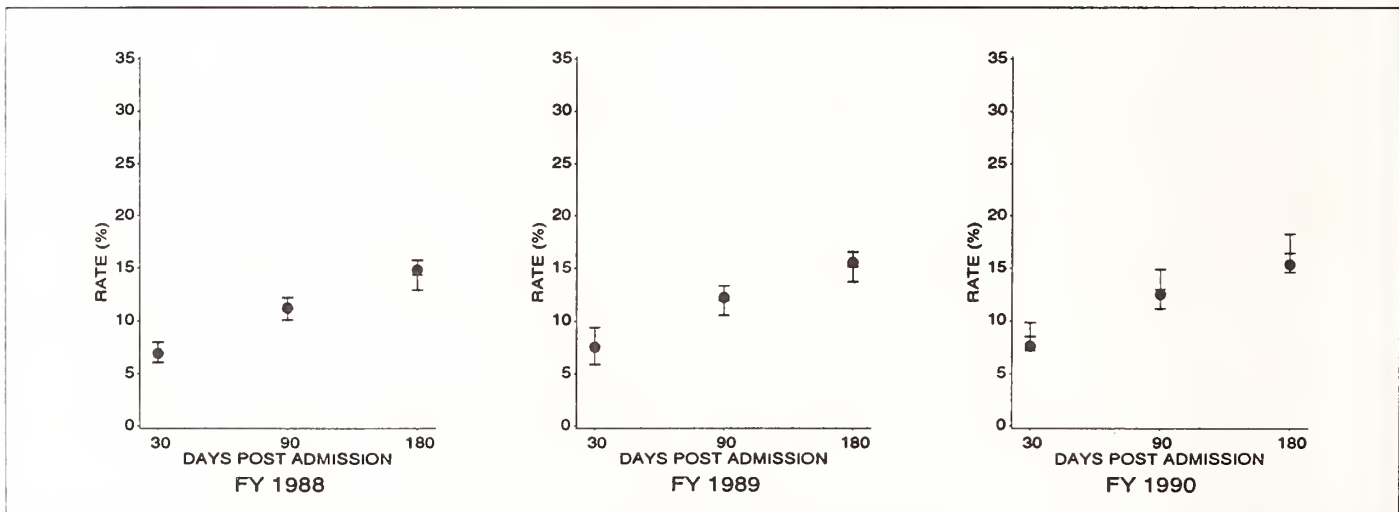
**MEMORIAL HOSPITAL**  
 2500 CITICO AVE  
 CHATTANOOGA, TN 37404  
 Medicare Provider Number: 440091

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	3766	7.6	8.5	0.7	12.5	13.0	0.9	15.3	16.4	0.9
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	100	15.0	24.8	7.4	18.0	27.6	7.5	23.0	30.3	7.5
Congestive Heart Failure.....	148	20.9	13.2	4.9	31.8	20.8	6.6	35.1	26.5	5.9
Pneumonia/Influenza.....	184	13.0	16.9	3.7	16.8	23.1	4.9	19.0	26.8	5.6
Chronic Obstructive Pulmonary Disease.....	61	3.3	8.5	4.4	3.3	14.7	7.0	8.2	19.2	7.3
Transient Cerebral Ischemia.....	58	1.7	1.8	1.8	1.7	4.1	3.7	10.3	6.6	4.6
Stroke.....	139	16.5	20.6	5.7	26.6	27.2	6.2	28.1	31.0	6.1
Hip Fracture.....	85	4.7	6.7	2.8	5.9	11.6	4.1	7.1	15.0	4.9
Sepsis.....	25	24.0	22.7	-----	32.0	29.9	-----	32.0	34.5	-----
<b>PROCEDURES:</b>										
Angioplasty.....	42	2.4	2.2	-----	4.8	3.1	-----	7.1	4.0	-----
Coronary Artery Bypass Graft.....	118	5.9	5.6	2.2	8.5	7.9	2.6	12.7	8.9	3.3
Initial Pacemaker Insertion.....	22	4.5	2.7	-----	4.5	5.1	-----	4.5	7.3	-----
Carotid Endarterectomy.....	19	0.0	1.2	-----	5.3	2.3	-----	5.3	3.5	-----
Hip Replacement/Reconstruction.....	69	0.0	3.2	3.7	1.4	5.9	4.8	2.9	7.8	5.2
Open Reduction of Hip Fracture.....	54	1.9	5.3	3.8	3.7	9.5	5.6	5.6	12.7	6.5
Prostatectomy.....	169	0.6	0.6	0.7	1.2	1.5	1.0	1.8	2.6	1.3
Cholecystectomy.....	94	1.1	2.9	2.7	3.2	5.2	3.5	5.3	6.9	3.4
Hysterectomy.....	47	0.0	0.5	-----	2.1	1.1	-----	2.1	1.7	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**MEMORIAL HOSPITAL**  
Medicare Provider Number: 440091

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	74.1 years	Cancer.....	9.1 %
Proportion female.....	54.8 %	Chronic cardiovascular disease.....	44.8 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.8 %
Referred by personal or HMO physician.....	43.3 %	Chronic renal disease.....	1.6 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	13.9 %
Admitted for elective procedure.....	39.4 %	Cerebrovascular degeneration.....	3.2 %
Admitted for emergency.....	49.3 %	Diabetes mellitus.....	9.5 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City.....	71.2%	Hospital .....	8.0 Days
State .....	11.9%	State .....	8.1 Days
Outside State .....	16.9%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990			
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>		
Total Beds .....	347	Burn Unit .....	No
Occupancy Rate .....	67.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	Church	Comprehensive Geriatric .....	No
Medicare Discharges .....	52.5 %	Hospice Care .....	No
Case Mix Index (CMI) .....	1.4213	Medical/Surgical Intensive Care .....	Yes
<b>STAFFING:</b>		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	372	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists .....	76.3 %	Trauma Center .....	No
Medical Residents/Interns .....	0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
Registered Nurses.....	315	Alcohol/Drug .....	No
Licensed Practical Nurses.....	52	Rehabilitation.....	No
		Psychiatric .....	Yes
		Medicare Swing Beds .....	Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# METHODIST HOSPITAL OF DYERSBURG

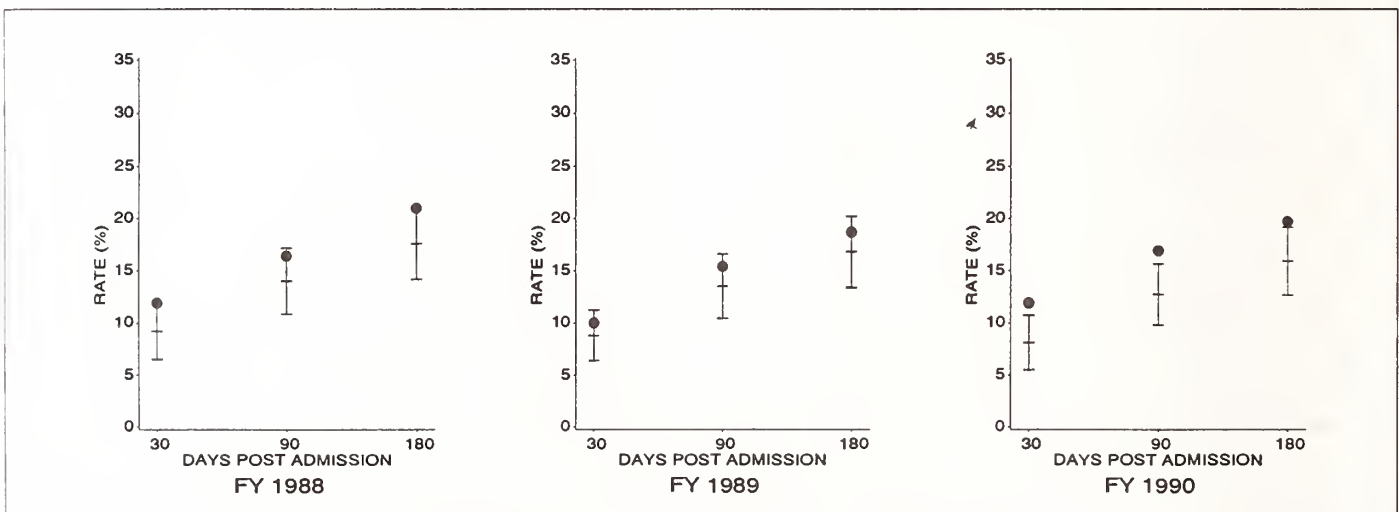
400 TICKLE ST  
DYERSBURG, TN 38024  
Medicare Provider Number: 440072

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1019	11.9	8.1	1.3	16.9	12.7	1.5	19.7	15.9	1.6
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	27	29.6	21.4	-----	33.3	24.7	-----	33.3	27.8	-----
Congestive Heart Failure.....	52	11.5	11.9	5.7	23.1	19.5	7.2	30.8	25.0	7.7
Pneumonia/Influenza.....	58	13.8	10.5	7.3	20.7	14.8	8.6	22.4	17.9	8.9
Chronic Obstructive Pulmonary Disease.....	20	5.0	4.8	-----	10.0	9.9	-----	10.0	14.4	-----
Transient Cerebral Ischemia.....	11	9.1	1.4	-----	9.1	3.1	-----	9.1	5.0	-----
Stroke.....	37	21.6	14.0	-----	29.7	19.4	-----	29.7	23.0	-----
Hip Fracture.....	35	8.6	5.3	-----	11.4	9.7	-----	14.3	13.0	-----
Sepsis.....	43	34.9	24.4	-----	48.8	33.5	-----	55.8	38.5	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	9	11.1	3.4	-----	22.2	6.9	-----	44.4	9.8	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	12	8.3	3.9	-----	8.3	7.2	-----	8.3	9.8	-----
Open Reduction of Hip Fracture.....	23	8.7	4.9	-----	13.0	9.4	-----	17.4	12.9	-----
Prostatectomy.....	15	0.0	0.7	-----	0.0	1.6	-----	0.0	2.9	-----
Cholecystectomy.....	30	6.7	1.9	-----	6.7	3.4	-----	6.7	4.5	-----
Hysterectomy.....	9	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# METHODIST HOSPITAL OF DYERSBURG

Medicare Provider Number: 440072

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.5 years	Cancer..... 3.8 %
Proportion female..... 59.8 %	Chronic cardiovascular disease..... 29.3 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.7 %
Referred by personal or HMO physician..... 99.4 %	Chronic renal disease..... 3.5 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 16.0 %
Admitted for elective procedure..... 14.9 %	Cerebrovascular degeneration..... 3.8 %
Admitted for emergency..... 12.1 %	Diabetes mellitus..... 10.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 70.1%	Hospital ..... 8.4 Days
State ..... 27.9%	State ..... 8.1 Days
Outside State ..... 2.0%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>
Total Beds ..... 238	Burn Unit ..... No
Occupancy Rate ..... 82.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, Non-Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 34.6 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.2801	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 41	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 65.9 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 73	Alcohol/Drug ..... Yes
Licensed Practical Nurses ..... 37	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# METHODIST HOSPITAL OF LEXINGTON

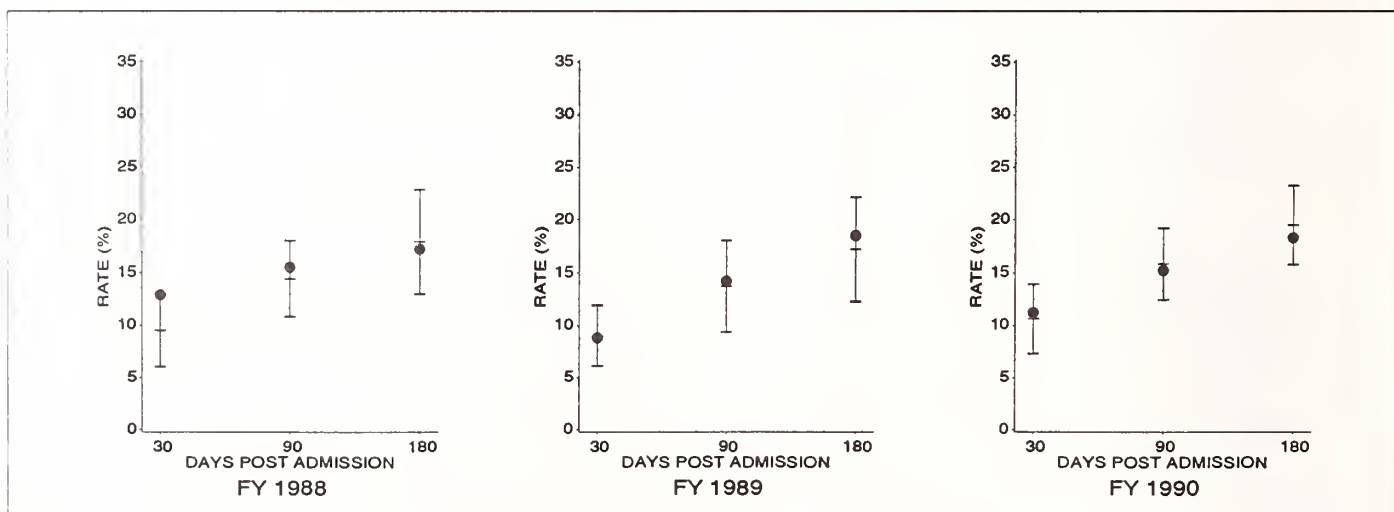
200 W CHURCH ST  
LEXINGTON, TN 38351  
Medicare Provider Number: 440008

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	481	11.2	10.6	1.7	15.2	15.8	1.7	18.3	19.5	1.9
CONDITIONS:										
Acute Myocardial Infarction.....	11	45.5	33.5	-----	45.5	36.1	-----	54.5	38.7	-----
Congestive Heart Failure.....	45	28.9	15.2	-----	35.6	23.7	-----	37.8	29.9	-----
Pneumonia/Influenza.....	57	5.3	15.4	6.5	12.3	21.1	9.2	15.8	24.9	9.9
Chronic Obstructive Pulmonary Disease.....	24	12.5	8.7	-----	12.5	15.1	-----	16.7	19.7	-----
Transient Cerebral Ischemia.....	13	0.0	1.9	-----	0.0	4.5	-----	0.0	7.6	-----
Stroke.....	23	30.4	21.8	-----	30.4	27.6	-----	30.4	31.8	-----
Hip Fracture.....	1	0.0	4.0	-----	0.0	8.1	-----	0.0	11.0	-----
Sepsis.....	12	41.7	27.0	-----	41.7	33.7	-----	41.7	37.8	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	3	0.0	1.3	-----	0.0	2.2	-----	0.0	2.9	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# METHODIST HOSPITAL OF LEXINGTON

Medicare Provider Number: 440008

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.4 years

Proportion female..... 59.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 55.1 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 0.0 %

Admitted for emergency..... 99.8 %

### COMORBIDITIES:

Cancer..... 3.3 %

Chronic cardiovascular disease..... 34.7 %

Chronic liver disease..... 0.2 %

Chronic renal disease..... 2.7 %

Chronic pulmonary disease..... 17.9 %

Cerebrovascular degeneration..... 8.5 %

Diabetes mellitus..... 9.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 88.4%

State..... 10.4%

Outside State..... 1.2%

Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.7 Days

State..... 8.1 Days

National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 48

Occupancy Rate..... 37.0 %

Ownership/Control..... Church

Medicare Discharges..... 58.3 %

Case Mix Index (CMI)..... 1.0314

### STAFFING:

Total Number of Physicians..... 16

Percent of Physicians Board Certified Specialists.....(Not Available)

Medical Residents/Interns..... 0

Registered Nurses..... 14

Licensed Practical Nurses..... 11

### SPECIALTY SERVICES:

Burn Unit..... No

Cardiac Intensive Care..... No

Comprehensive Geriatric..... No

Hospice Care..... No

Medical/Surgical Intensive Care..... Yes

Organ/Tissue Transplant..... No

Other Intensive Care..... No

Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No

Rehabilitation..... No

Psychiatric..... No

Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# METHODIST HOSPITAL OF MCKENZIE

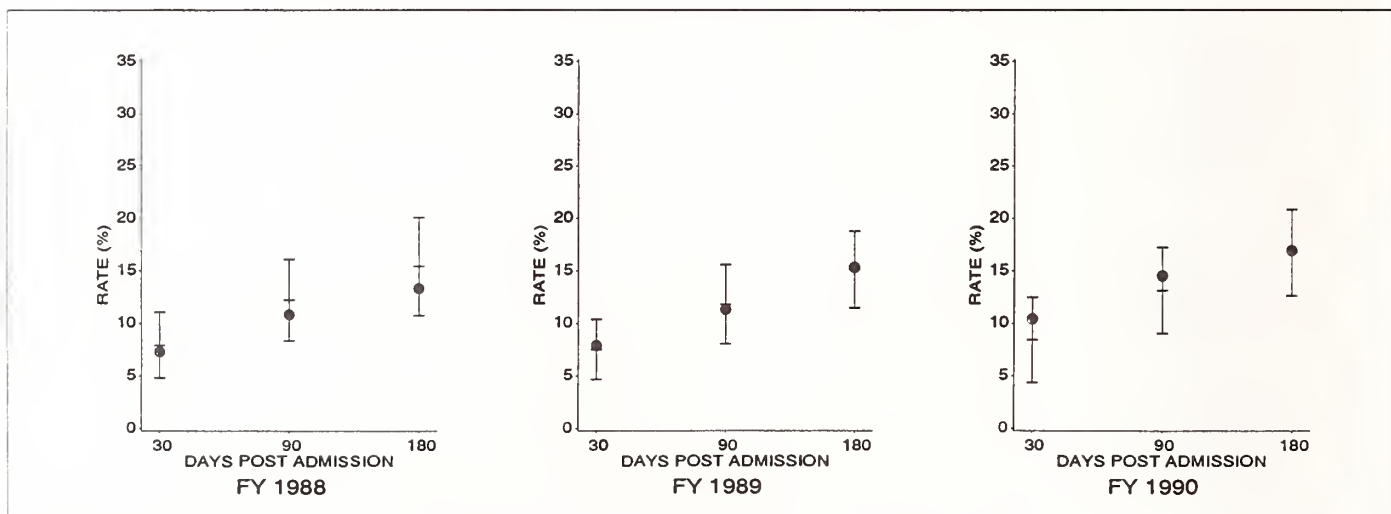
945 N HIGHLAND  
MCKENZIE, TN 38201  
Medicare Provider Number: 440182

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	338	10.4	8.4	2.0	14.5	13.1	2.0	16.9	16.7	2.1
CONDITIONS:										
Acute Myocardial Infarction.....	6	50.0	24.0	----	50.0	26.3	----	50.0	29.1	----
Congestive Heart Failure.....	24	16.7	13.7	----	20.8	22.4	----	29.2	28.3	----
Pneumonia/Influenza.....	22	13.6	14.5	----	22.7	20.3	----	22.7	24.1	----
Chronic Obstructive Pulmonary Disease.....	23	0.0	4.1	----	4.3	7.6	----	4.3	10.9	----
Transient Cerebral Ischemia.....	11	0.0	2.2	----	0.0	5.2	----	0.0	8.6	----
Stroke.....	30	10.0	15.1	----	13.3	21.0	----	16.7	24.7	----
Hip Fracture.....	4	50.0	8.9	----	50.0	16.0	----	50.0	21.3	----
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	1	0.0	7.5	----	0.0	15.5	----	0.0	20.9	----
Prostatectomy.....	7	0.0	1.6	----	0.0	3.7	----	0.0	6.3	----
Cholecystectomy.....	7	0.0	1.4	----	14.3	2.9	----	14.3	4.3	----
Hysterectomy.....	3	0.0	0.2	----	0.0	0.5	----	0.0	1.0	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# METHODIST HOSPITAL OF MCKENZIE

Medicare Provider Number: 440182

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 76.0 years	Cancer..... 3.8 %
Proportion female..... 55.0 %	Chronic cardiovascular disease..... 29.3 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.3 %
Referred by personal or HMO physician.... 76.0 %	Chronic renal disease..... 3.3 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 35.8 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 0.6 %
Admitted for emergency..... 97.3 %	Diabetes mellitus..... 9.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 73.0%	Hospital ..... 5.2 Days
State ..... 25.1%	State ..... 8.1 Days
Outside State ..... 1.9%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 54 Occupancy Rate ..... 31.0 % Ownership/Control..... Private, Non-Profit Medicare Discharges ..... 38.8 % Case Mix Index (CMI) ..... 0.9926  <b>STAFFING:</b> Total Number of Physicians..... (Not Available) Percent of Physicians Board Certified Specialists .....(Not Available) Medical Residents/Interns ..... (Not Available) Registered Nurses..... (Not Available) Licensed Practical Nurses ..... (Not Available)	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... No Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No  <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... Yes
** Except for CMI	

\* Not used in calculating mortality rates

# METHODIST HOSPITAL OF MID TENNESSEE

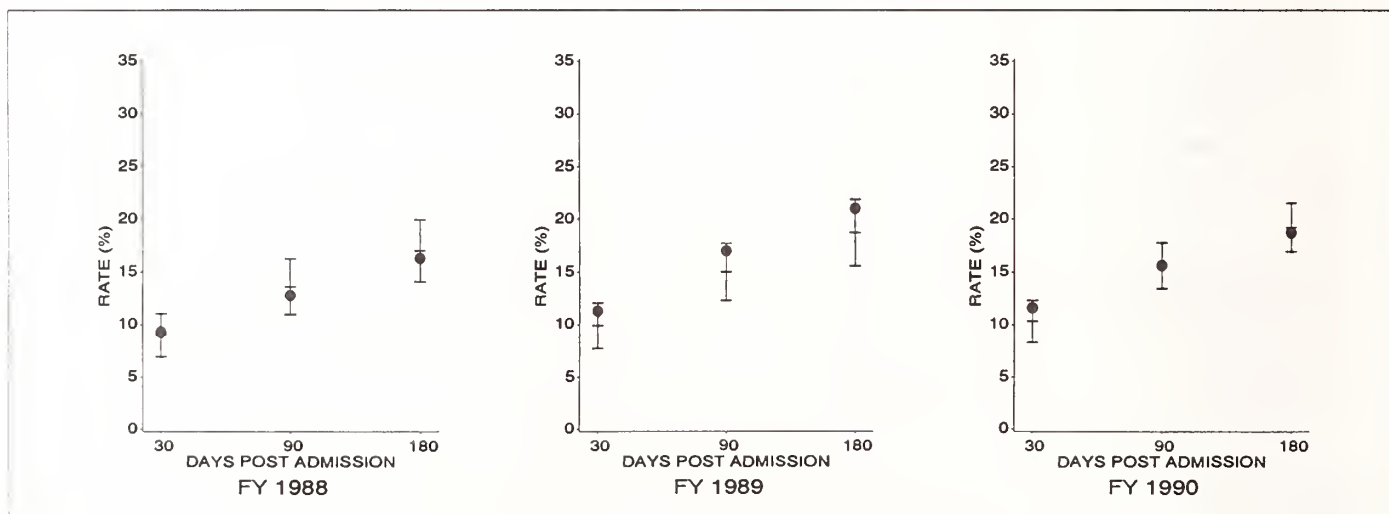
COWAN RD  
WINCHESTER, TN 37398  
Medicare Provider Number: 440058

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1208	11.6	10.3	1.0	15.6	15.6	1.1	18.7	19.2	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	34	23.5	29.3	-----	32.4	32.3	-----	32.4	35.2	-----
Congestive Heart Failure.....	84	19.0	14.3	5.4	26.2	23.1	6.7	34.5	29.5	6.0
Pneumonia/Influenza.....	78	19.2	19.1	4.5	21.8	25.9	5.3	25.6	29.7	6.5
Chronic Obstructive Pulmonary Disease.....	27	0.0	8.4	-----	3.7	15.4	-----	11.1	20.9	-----
Transient Cerebral Ischemia.....	25	0.0	2.4	-----	4.0	5.3	-----	4.0	8.1	-----
Stroke.....	35	11.4	20.4	-----	11.4	25.5	-----	14.3	28.9	-----
Hip Fracture.....	31	16.1	7.8	-----	16.1	13.4	-----	19.4	17.1	-----
Sepsis.....	15	60.0	24.6	-----	60.0	32.6	-----	60.0	37.2	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	1.8	-----	0.0	3.5	-----	0.0	5.4	-----
Carotid Endarterectomy.....	1	0.0	8.7	-----	0.0	18.4	-----	0.0	28.6	-----
Hip Replacement/Reconstruction.....	17	11.8	6.7	-----	11.8	11.9	-----	11.8	15.2	-----
Open Reduction of Hip Fracture.....	11	18.2	6.0	-----	18.2	10.4	-----	18.2	13.8	-----
Prostatectomy.....	30	0.0	0.7	-----	0.0	1.7	-----	0.0	2.9	-----
Cholecystectomy.....	35	2.9	2.2	-----	8.6	4.2	-----	8.6	5.8	-----
Hysterectomy.....	16	0.0	0.1	-----	0.0	0.3	-----	0.0	0.5	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**METHODIST HOSPITAL OF MID TENNESSEE**  
 Medicare Provider Number: 440058

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	75.0 years	Cancer.....	4.6 %
Proportion female.....	58.4 %	Chronic cardiovascular disease.....	38.8 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	1.4 %
Referred by personal or HMO physician....	46.8 %	Chronic renal disease.....	1.3 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	16.2 %
Admitted for elective procedure.....	13.4 %	Cerebrovascular degeneration.....	5.3 %
Admitted for emergency.....	84.9 %	Diabetes mellitus.....	7.7 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	64.4%	Hospital .....	5.9 Days
State .....	31.6%	State .....	8.1 Days
Outside State .....	4.0%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:		
Total Beds .....	194	Burn Unit .....	No
Occupancy Rate .....	64.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	Church	Comprehensive Geriatric .....	No
Medicare Discharges .....	49.3 %	Hospice Care .....	No
Case Mix Index (CMI) .....	1.1863	Medical/Surgical Intensive Care .....	Yes
STAFFING:		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	(Not Available)	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists .....	(Not Available)	Trauma Center .....	No
Medical Residents/Interns .....	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses.....	82	Alcohol/Drug .....	Yes
Licensed Practical Nurses .....	41	Rehabilitation.....	No
		Psychiatric .....	No
		Medicare Swing Beds .....	Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# METHODIST HOSPITAL OF SOMERVILLE

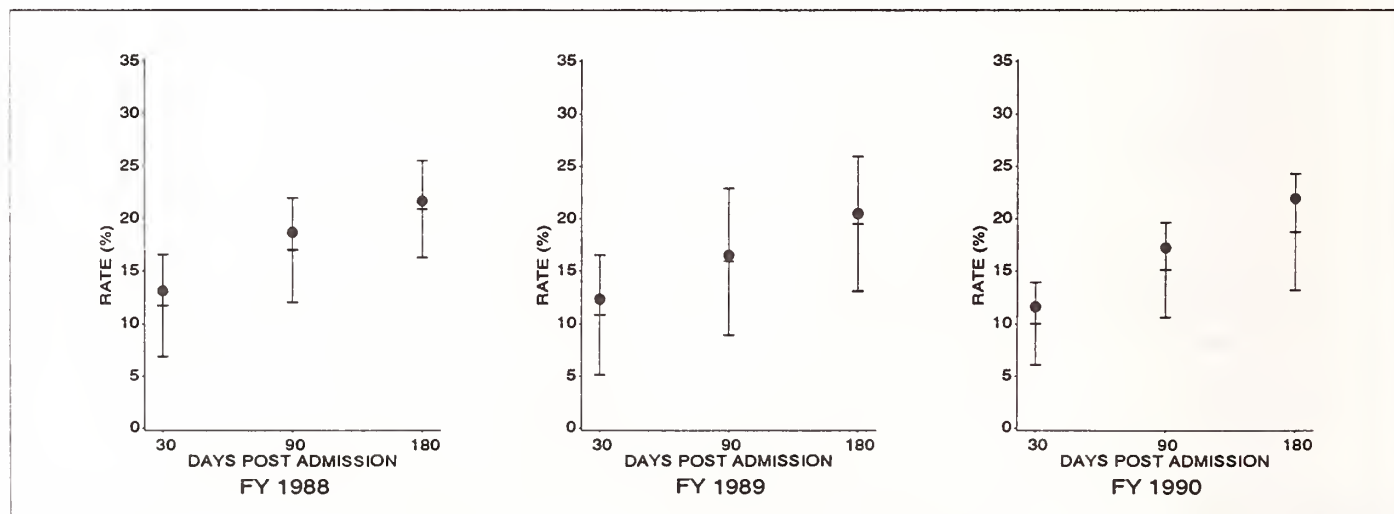
213 LAKEVIEW DR, BOX 98  
SOMERVILLE, TN 38068  
Medicare Provider Number: 440168

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	361	11.6	10.0	2.0	17.2	15.1	2.3	21.9	18.7	2.8
CONDITIONS:										
Acute Myocardial Infarction.....	4	50.0	48.0	----	75.0	53.7	----	75.0	57.2	----
Congestive Heart Failure.....	17	11.8	14.4	----	17.6	23.4	----	41.2	29.5	----
Pneumonia/Influenza.....	35	25.7	17.3	----	37.1	23.8	----	42.9	28.0	----
Chronic Obstructive Pulmonary Disease.....	14	0.0	7.6	----	0.0	13.2	----	7.1	17.5	----
Transient Cerebral Ischemia.....	7	0.0	1.2	----	0.0	3.0	----	0.0	5.3	----
Stroke.....	15	40.0	22.2	----	46.7	30.9	----	46.7	35.9	----
Hip Fracture.....	1	0.0	5.5	----	100.0	10.8	----	100.0	14.0	----
Sepsis.....	6	33.3	32.7	----	50.0	39.4	----	66.7	42.9	----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	6	16.7	2.1	----	16.7	4.5	----	16.7	7.0	----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	15	6.7	0.8	----	6.7	1.7	----	6.7	3.0	----
Cholecystectomy.....	8	0.0	4.6	----	12.5	9.5	----	12.5	13.2	----
Hysterectomy.....	1	0.0	0.2	----	0.0	0.5	----	0.0	0.9	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# METHODIST HOSPITAL OF SOMERVILLE

Medicare Provider Number: 440168

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 76.7 years	Cancer..... 5.3 %
Proportion female..... 56.5 %	Chronic cardiovascular disease..... 31.0 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.0 %
Referred by personal or HMO physician..... 80.3 %	Chronic renal disease..... 2.2 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 9.7 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 3.9 %
Admitted for emergency..... 99.2 %	Diabetes mellitus..... 10.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 61.3%	Hospital ..... 5.7 Days
State ..... 36.4%	State ..... 8.1 Days
Outside State ..... 2.3%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 38 Occupancy Rate ..... 47.0 % Ownership/Control..... Church Medicare Discharges ..... 48.9 % Case Mix Index (CMI) ..... 1.0206	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... Yes Hospice Care ..... No Medical/Surgical Intensive Care ..... No Organ/Tissue Transplant ..... Yes Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 12 Percent of Physicians Board Certified Specialists ..... 100.0 % Medical Residents/Interns ..... 0 Registered Nurses..... 19 Licensed Practical Nurses..... 9	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... Yes
** Except for CMI	

\* Not used in calculating mortality rates

# METHODIST HOSPITALS OF MEMPHIS

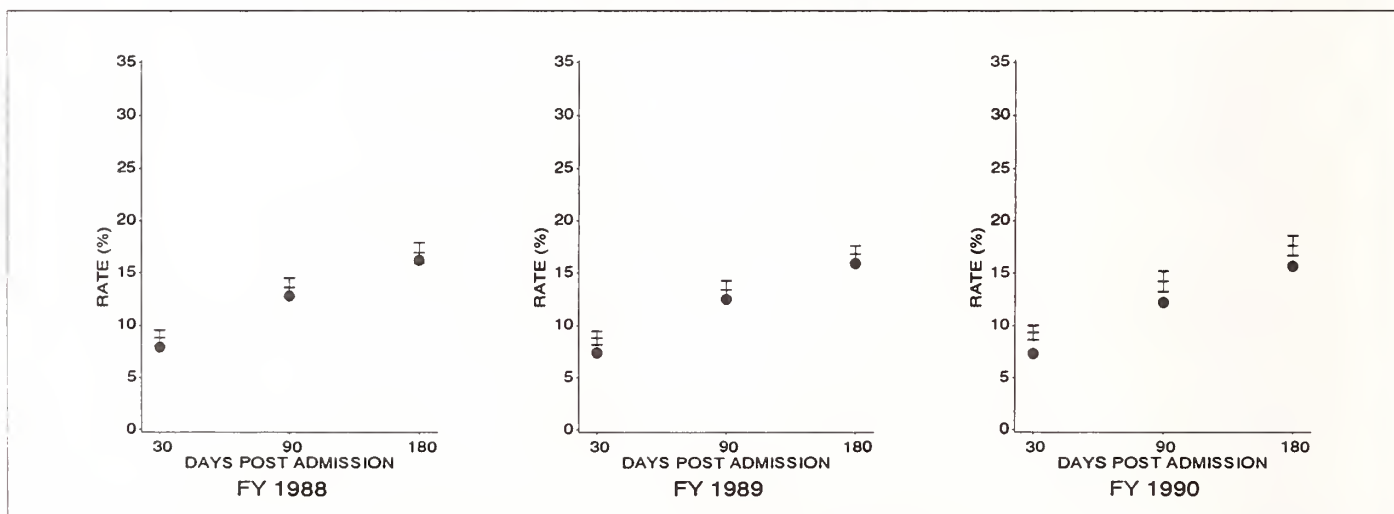
1265 UNION AVE  
MEMPHIS, TN 38104  
Medicare Provider Number: 440049

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	9179	7.3	9.3	0.3	12.2	14.2	0.5	15.6	17.6	0.5
CONDITIONS:										
Acute Myocardial Infarction.....	270	18.5	28.6	3.8	23.7	31.5	3.4	28.1	34.1	3.5
Congestive Heart Failure.....	483	13.3	13.3	1.5	22.2	21.2	2.0	27.1	26.9	2.0
Pneumonia/Influenza.....	250	14.8	16.5	3.3	18.4	22.5	3.7	21.6	26.3	4.2
Chronic Obstructive Pulmonary Disease.....	159	10.1	7.9	3.4	13.2	13.8	3.8	15.7	18.2	5.1
Transient Cerebral Ischemia.....	173	0.0	1.8	1.9	1.7	4.1	2.6	6.9	6.4	1.9
Stroke.....	346	13.3	21.1	3.0	21.1	27.0	2.9	24.9	30.6	3.2
Hip Fracture.....	165	5.5	7.2	2.9	14.5	12.5	2.9	16.4	16.1	3.5
Sepsis.....	167	25.7	28.0	4.1	34.7	35.1	4.0	40.1	39.4	4.0
PROCEDURES:										
Angioplasty.....	201	1.0	3.5	1.6	2.0	4.4	1.7	4.0	5.3	1.7
Coronary Artery Bypass Graft.....	382	4.5	6.8	1.7	7.6	9.3	1.7	9.7	10.3	1.7
Initial Pacemaker Insertion.....	123	3.3	4.1	2.8	8.1	7.9	4.7	10.6	11.2	5.0
Carotid Endarterectomy.....	70	1.4	1.8	1.8	1.4	3.2	2.7	4.3	4.6	3.0
Hip Replacement/Reconstruction.....	118	2.5	3.6	1.8	6.8	6.7	3.0	7.6	9.0	3.5
Open Reduction of Hip Fracture.....	58	0.0	6.6	4.6	5.2	12.0	5.7	5.2	15.6	6.7
Prostatectomy.....	244	0.4	1.5	1.4	1.2	3.5	2.7	4.1	5.9	2.5
Cholecystectomy.....	154	2.6	2.9	1.5	6.5	5.1	2.1	7.8	6.6	2.3
Hysterectomy.....	41	0.0	0.7	-----	4.9	1.6	-----	7.3	2.6	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# METHODIST HOSPITALS OF MEMPHIS

Medicare Provider Number: 440049

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 72.5 years	Cancer..... 9.2 %
Proportion female..... 56.9 %	Chronic cardiovascular disease..... 38.4 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.8 %
Referred by personal or HMO physician..... 28.7 %	Chronic renal disease..... 3.8 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 13.9 %
Admitted for elective procedure..... 17.5 %	Cerebrovascular degeneration..... 3.7 %
Admitted for emergency..... 81.1 %	Diabetes mellitus..... 8.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 63.0%	Hospital ..... 10.9 Days
State ..... 11.3%	State ..... 8.1 Days
Outside State ..... 25.7%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990</b>	
<b>PROFILE:</b> Total Beds ..... 1109 Occupancy Rate ..... 80.0 % Ownership/Control..... Private, Non-Profit Medicare Discharges ..... 46.0 % Case Mix Index (CMI) ..... 1.5977	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... Yes Comprehensive Geriatric ..... Yes Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... Yes Other Intensive Care ..... Yes Trauma Center ..... Yes
<b>STAFFING:</b> Total Number of Physicians..... 539 Percent of Physicians Board Certified Specialists ..... 62.7 % Medical Residents/Interns ..... 68 Registered Nurses ..... 939 Licensed Practical Nurses ..... 202	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation ..... Yes Psychiatric ..... Yes Medicare Swing Beds ..... Yes
** Except for CMI	

\* Not used in calculating mortality rates

# METHODIST MEDICAL CENTER OF OAK RIDGE

990 OAK RIDGE TURNPIKE, BOX 529

OAK RIDGE, TN 37830

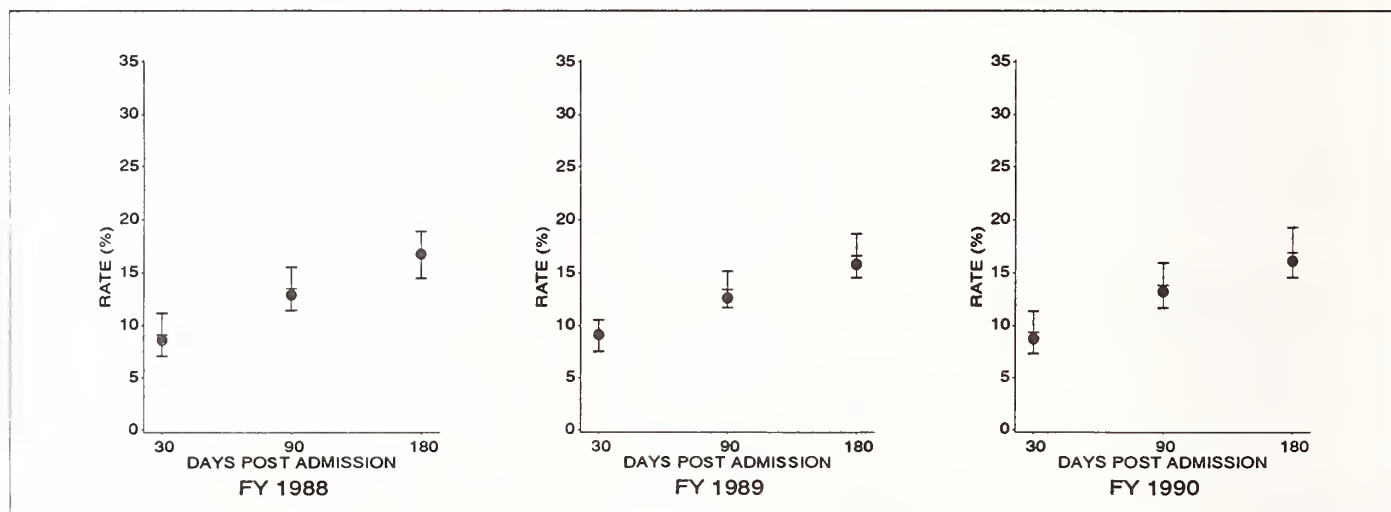
Medicare Provider Number: 440034

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	2580	8.7	9.3	1.0	13.2	13.8	1.1	16.1	16.9	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	87	26.4	28.1	5.0	29.9	30.9	5.2	33.3	33.5	5.1
Congestive Heart Failure.....	121	12.4	14.0	4.4	17.4	22.6	5.9	22.3	28.8	7.0
Pneumonia/Influenza.....	129	17.1	15.7	4.2	24.0	21.4	4.9	26.4	25.2	4.8
Chronic Obstructive Pulmonary Disease.....	77	7.8	7.9	3.5	13.0	13.7	4.7	18.2	17.9	5.7
Transient Cerebral Ischemia.....	37	2.7	1.6	-----	2.7	3.5	-----	2.7	5.6	-----
Stroke.....	102	15.7	20.1	5.8	19.6	25.4	7.1	24.5	28.9	6.2
Hip Fracture.....	93	2.2	7.0	3.7	8.6	12.1	4.4	12.9	15.4	4.0
Sepsis.....	9	55.6	33.4	-----	55.6	41.5	-----	55.6	45.5	-----
PROCEDURES:										
Angioplasty.....	10	0.0	3.4	-----	0.0	4.2	-----	0.0	5.4	-----
Coronary Artery Bypass Graft.....	30	0.0	6.2	-----	3.3	8.0	-----	6.7	8.9	-----
Initial Pacemaker Insertion.....	14	0.0	3.1	-----	21.4	6.1	-----	50.0	8.7	-----
Carotid Endarterectomy.....	56	3.6	1.4	2.2	5.4	2.8	3.3	5.4	4.1	5.8
Hip Replacement/Reconstruction.....	60	3.3	4.7	3.8	5.0	8.5	5.8	8.3	10.8	6.0
Open Reduction of Hip Fracture.....	49	2.0	6.2	-----	8.2	11.1	-----	12.2	14.5	-----
Prostatectomy.....	99	1.0	0.8	1.0	1.0	1.9	1.7	1.0	3.2	2.7
Cholecystectomy.....	49	0.0	2.2	-----	0.0	3.9	-----	0.0	5.1	-----
Hysterectomy.....	30	0.0	0.7	-----	0.0	1.5	-----	3.3	2.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# METHODIST MEDICAL CENTER OF OAK RIDGE

Medicare Provider Number: 440034

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	72.8 years	Cancer.....	6.8 %
Proportion female.....	53.4 %	Chronic cardiovascular disease.....	30.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	1.2 %
Referred by personal or HMO physician.....	45.0 %	Chronic renal disease.....	2.4 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	18.6 %
Admitted for elective procedure.....	30.1 %	Cerebrovascular degeneration.....	4.5 %
Admitted for emergency.....	53.9 %	Diabetes mellitus.....	4.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	56.7%	Hospital .....	8.2 Days
State .....	40.4%	State .....	8.1 Days
Outside State .....	2.9%	National .....	8.6 Days
Total .....	100.0%		

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	
Total Beds .....	245
Occupancy Rate .....	71.0 %
Ownership/Control.....	Church
Medicare Discharges .....	40.8 %
Case Mix Index (CMI) .....	1.3188
<b>STAFFING:</b>	
Total Number of Physicians.....	131
Percent of Physicians Board Certified Specialists .....	84.7 %
Medical Residents/Interns .....	0
Registered Nurses.....	221
Licensed Practical Nurses .....	86
<b>SPECIALTY SERVICES:</b>	
Burn Unit .....	No
Cardiac Intensive Care .....	Yes
Comprehensive Geriatric .....	Yes
Hospice Care .....	No
Medical/Surgical Intensive Care .....	Yes
Organ/Tissue Transplant .....	Yes
Other Intensive Care .....	No
Trauma Center .....	No
<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
Alcohol/Drug .....	Yes
Rehabilitation.....	No
Psychiatric .....	No
Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# METRO NASHVILLE GENERAL HOSPITAL

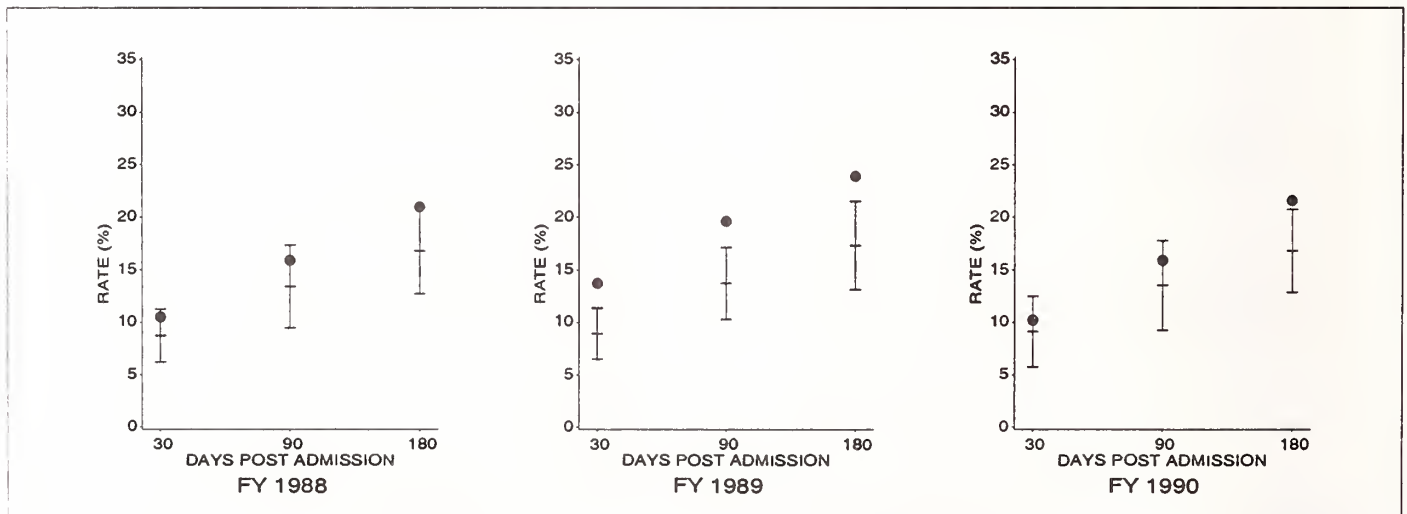
72 HERMITAGE AV  
NASHVILLE, TN 37210  
Medicare Provider Number: 440111

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	617	10.2	9.1	1.7	15.9	13.5	2.1	21.6	16.8	2.0
CONDITIONS:										
Acute Myocardial Infarction.....	16	25.0	24.7	----	25.0	27.6	----	25.0	30.5	----
Congestive Heart Failure.....	36	5.6	12.4	----	16.7	20.1	----	30.6	26.0	----
Pneumonia/Influenza.....	16	6.3	12.1	----	6.3	16.3	----	18.8	19.4	----
Chronic Obstructive Pulmonary Disease.....	12	0.0	5.6	----	8.3	10.2	----	25.0	14.1	----
Transient Cerebral Ischemia.....	7	0.0	1.5	----	0.0	3.2	----	0.0	5.1	----
Stroke.....	19	31.6	26.2	----	42.1	31.7	----	42.1	34.8	----
Hip Fracture.....	6	16.7	3.7	----	33.3	7.2	----	50.0	9.9	----
Sepsis.....	19	47.4	20.1	----	52.6	26.7	----	52.6	30.8	----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	3	0.0	3.4	----	33.3	7.4	----	66.7	10.8	----
Open Reduction of Hip Fracture.....	3	33.3	2.4	----	33.3	4.5	----	33.3	6.2	----
Prostatectomy.....	2	0.0	0.3	----	50.0	0.6	----	50.0	1.0	----
Cholecystectomy.....	5	0.0	3.9	----	40.0	6.7	----	40.0	8.1	----
Hysterectomy.....	3	0.0	0.0	----	0.0	0.1	----	0.0	0.1	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**METRO NASHVILLE GENERAL HOSPITAL**  
 Medicare Provider Number: 440111

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	66.9 years	Cancer.....	5.7 %
Proportion female.....	51.1 %	Chronic cardiovascular disease.....	27.7 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	1.0 %
Referred by personal or HMO physician.....	17.0 %	Chronic renal disease.....	5.0 %
Transferred from skilled nursing facility.....	0.5 %	Chronic pulmonary disease.....	13.5 %
Admitted for elective procedure.....	16.5 %	Cerebrovascular degeneration.....	8.9 %
Admitted for emergency.....	12.2 %	Diabetes mellitus.....	8.4 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	92.8%	Hospital .....	8.6 Days
State .....	5.0%	State .....	8.1 Days
Outside State .....	2.2%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990			
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>		
Total Beds .....	178	Burn Unit .....	No
Occupancy Rate .....	60.0 %	Cardiac Intensive Care .....	Yes
Ownership/Control.....	Local Government	Comprehensive Geriatric .....	Yes
Medicare Discharges .....	15.4 %	Hospice Care .....	No
Case Mix Index (CMI) .....	1.1476	Medical/Surgical Intensive Care .....	Yes
<b>STAFFING:</b>		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	56	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists .....	89.3 %	Trauma Center .....	No
Medical Residents/Interns .....	0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
Registered Nurses.....	136	Alcohol/Drug .....	No
Licensed Practical Nurses .....	107	Rehabilitation.....	No
		Psychiatric .....	No
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MIDDLE TENNESSEE MEDICAL CENTER INC

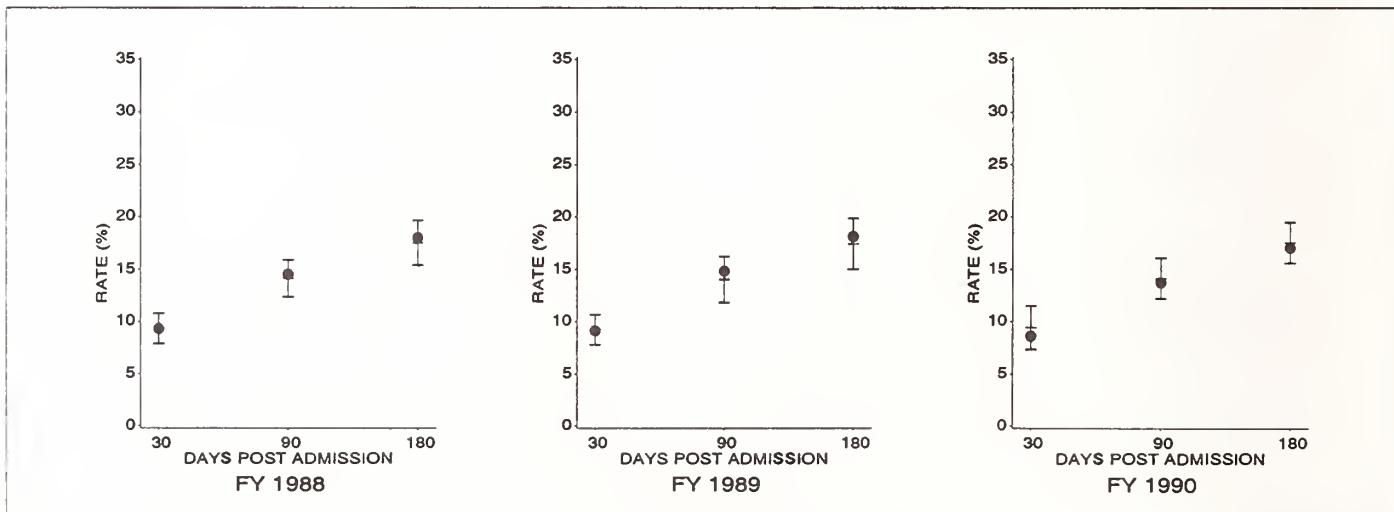
400 N HIGHLAND AVE  
MURFREESBORO, TN 37133  
Medicare Provider Number: 440053

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1895	8.6	9.4	1.0	13.7	14.1	1.0	17.0	17.5	1.0
CONDITIONS:										
Acute Myocardial Infarction.....	42	33.3	30.9	-----	45.2	34.9	-----	50.0	38.1	-----
Congestive Heart Failure.....	105	8.6	14.7	6.7	17.1	22.9	8.1	21.0	28.7	8.6
Pneumonia/Influenza.....	137	11.7	13.9	5.1	15.3	19.1	6.3	18.2	22.5	6.4
Chronic Obstructive Pulmonary Disease.....	39	12.8	9.4	-----	15.4	16.5	-----	15.4	21.6	-----
Transient Cerebral Ischemia.....	32	0.0	1.7	-----	3.1	3.7	-----	6.3	6.0	-----
Stroke.....	66	18.2	19.3	5.3	31.8	25.0	6.6	37.9	28.6	7.5
Hip Fracture.....	68	2.9	5.0	3.2	8.8	9.0	4.3	11.8	11.9	4.5
Sepsis.....	24	20.8	29.1	-----	33.3	37.4	-----	41.7	42.1	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	16	6.3	4.0	-----	6.3	7.7	-----	6.3	10.7	-----
Carotid Endarterectomy.....	12	0.0	1.1	-----	0.0	2.0	-----	0.0	3.0	-----
Hip Replacement/Reconstruction.....	35	5.7	3.6	-----	5.7	6.2	-----	8.6	8.0	-----
Open Reduction of Hip Fracture.....	35	2.9	4.3	-----	11.4	8.4	-----	14.3	11.5	-----
Prostatectomy.....	46	0.0	0.5	-----	0.0	1.1	-----	0.0	1.9	-----
Cholecystectomy.....	41	2.4	2.0	-----	2.4	3.7	-----	4.9	5.0	-----
Hysterectomy.....	21	0.0	0.4	-----	0.0	0.9	-----	0.0	1.5	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**MIDDLE TENNESSEE MEDICAL CENTER INC**  
 Medicare Provider Number: 440053

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	74.5 years	Cancer.....	5.7 %
Proportion female.....	59.9 %	Chronic cardiovascular disease.....	28.7 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.6 %
Referred by personal or HMO physician.....	43.7 %	Chronic renal disease.....	3.4 %
Transferred from skilled nursing facility.....	1.0 %	Chronic pulmonary disease.....	10.7 %
Admitted for elective procedure.....	25.0 %	Cerebrovascular degeneration.....	5.4 %
Admitted for emergency.....	51.8 %	Diabetes mellitus.....	6.2 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	76.9%	Hospital .....	7.6 Days
State .....	20.9%	State .....	8.1 Days
Outside State .....	2.2%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:		
Total Beds .....	209	Burn Unit .....	No
Occupancy Rate .....	69.0 %	Cardiac Intensive Care .....	Yes
Ownership/Control.....	Church	Comprehensive Geriatric .....	No
Medicare Discharges .....	31.0 %	Hospice Care .....	Yes
Case Mix Index (CMI) .....	1.1607	Medical/Surgical Intensive Care .....	Yes
STAFFING:		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	91	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists.....	83.5 %	Trauma Center .....	No
Medical Residents/Interns .....	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses.....	267	Alcohol/Drug .....	Yes
Licensed Practical Nurses .....	67	Rehabilitation.....	No
		Psychiatric.....	No
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MORRISTOWN-HAMBLÉN HOSPITAL

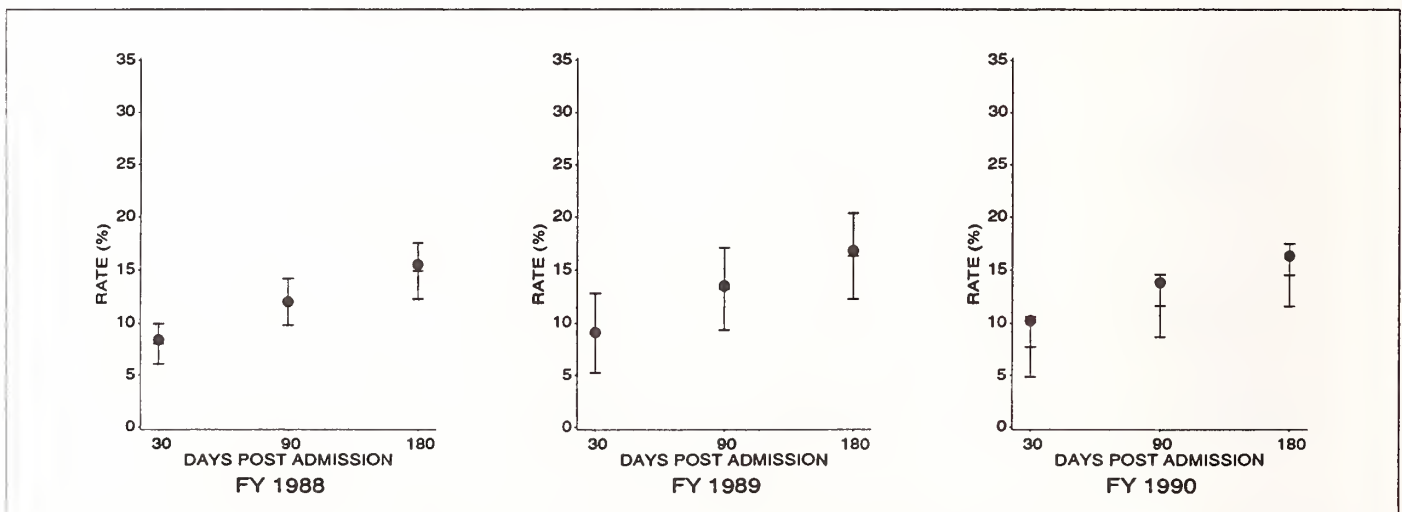
908 W 4TH NORTH ST  
MORRISTOWN, TN 37814  
Medicare Provider Number: 440030

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	864	10.2	7.7	1.4	13.8	11.6	1.5	16.3	14.5	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	21	33.3	33.3	-----	38.1	36.1	-----	38.1	38.9	-----
Congestive Heart Failure.....	46	28.3	14.5	-----	32.6	23.1	-----	39.1	29.0	-----
Pneumonia/Influenza.....	66	16.7	13.7	4.7	22.7	18.9	6.0	33.3	22.3	7.8
Chronic Obstructive Pulmonary Disease.....	22	4.5	7.4	-----	9.1	13.2	-----	9.1	17.4	-----
Transient Cerebral Ischemia.....	19	0.0	2.0	-----	0.0	4.7	-----	0.0	7.7	-----
Stroke.....	34	20.6	20.3	-----	32.4	26.4	-----	35.3	30.5	-----
Hip Fracture.....	23	4.3	5.8	-----	8.7	10.0	-----	13.0	13.3	-----
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	1.1	-----	0.0	2.3	-----	0.0	3.2	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	9	0.0	3.7	-----	0.0	6.8	-----	0.0	9.5	-----
Open Reduction of Hip Fracture.....	11	9.1	5.8	-----	18.2	10.2	-----	27.3	13.4	-----
Prostatectomy.....	38	2.6	0.7	-----	2.6	1.7	-----	2.6	2.9	-----
Cholecystectomy.....	28	3.6	2.1	-----	3.6	3.9	-----	7.1	5.1	-----
Hysterectomy.....	14	0.0	0.1	-----	0.0	0.2	-----	0.0	0.4	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MORRISTOWN-HAMBLEN HOSPITAL

Medicare Provider Number: 440030

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.7 years  
 Proportion female..... 59.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.7 %  
 Transferred from skilled nursing facility..... 0.2 %  
 Admitted for elective procedure..... 14.0 %  
 Admitted for emergency..... 15.9 %

### COMORBIDITIES:

Cancer..... 3.7 %  
 Chronic cardiovascular disease..... 40.5 %  
 Chronic liver disease..... 1.0 %  
 Chronic renal disease..... 0.8 %  
 Chronic pulmonary disease..... 24.5 %  
 Cerebrovascular degeneration..... 2.8 %  
 Diabetes mellitus..... 8.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 65.1%  
 State ..... 32.9%  
 Outside State ..... 2.0%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.6 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 167  
 Occupancy Rate ..... 45.0 %  
 Ownership/Control..... Private, Non-Profit  
 Medicare Discharges ..... 28.6 %  
 Case Mix Index (CMI) ..... 1.0218

### STAFFING:

Total Number of Physicians..... 50  
 Percent of Physicians Board Certified Specialists ..... 48.0 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 88  
 Licensed Practical Nurses ..... 54

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
 Rehabilitation..... No  
 Psychiatric ..... No  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# NASHVILLE MEMORIAL HOSPITAL

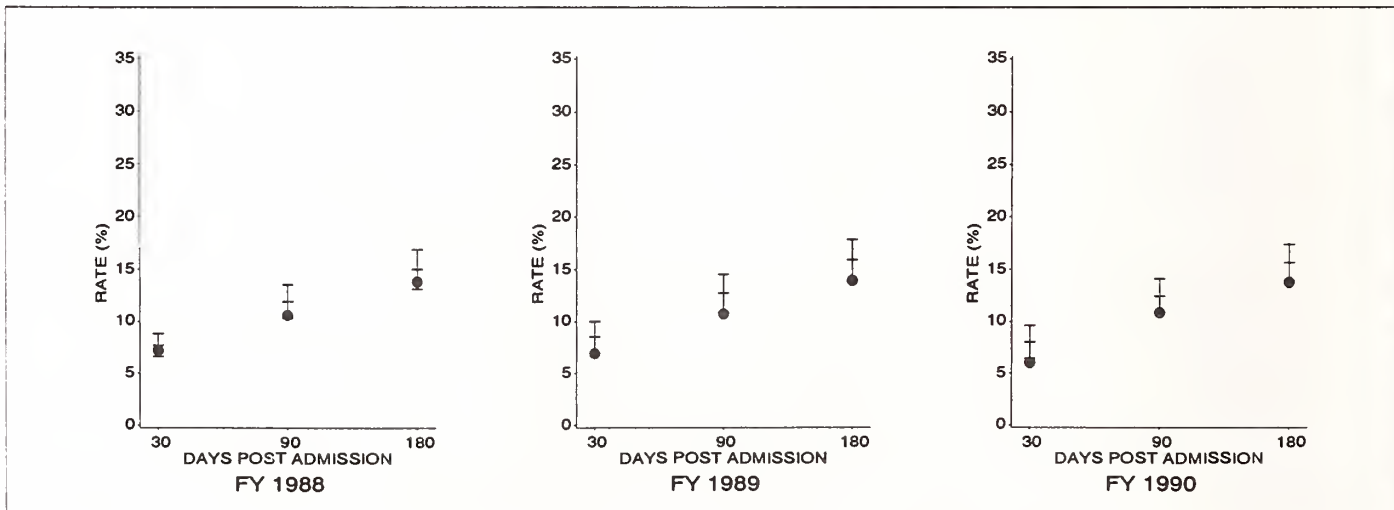
612 W DUE WEST AVE  
MADISON, TN 37115  
Medicare Provider Number: 440006

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	2585	6.0	8.0	0.8	10.8	12.4	0.8	13.7	15.6	0.9
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	76	23.7	26.6	8.3	26.3	29.6	7.9	30.3	32.3	6.3
Congestive Heart Failure.....	87	13.8	15.7	4.3	26.4	24.6	5.3	29.9	30.8	5.6
Pneumonia/Influenza.....	93	10.8	12.9	4.6	16.1	17.9	5.5	19.4	21.2	4.5
Chronic Obstructive Pulmonary Disease.....	37	8.1	6.7	-----	8.1	12.3	-----	8.1	17.0	-----
Transient Cerebral Ischemia.....	69	1.4	1.6	1.7	5.8	3.7	2.9	7.2	6.1	3.3
Stroke.....	154	11.7	17.3	4.6	16.2	23.7	5.0	20.1	27.2	4.8
Hip Fracture.....	50	2.0	5.3	-----	6.0	9.5	-----	8.0	12.6	-----
Sepsis.....	26	15.4	18.3	-----	15.4	27.6	-----	19.2	32.7	-----
<b>PROCEDURES:</b>										
Angioplasty.....	18	0.0	4.1	-----	0.0	4.8	-----	5.6	5.8	-----
Coronary Artery Bypass Graft.....	34	5.9	5.4	-----	17.6	8.0	-----	17.6	9.2	-----
Initial Pacemaker Insertion.....	25	4.0	1.7	-----	8.0	3.3	-----	8.0	5.1	-----
Carotid Endarterectomy.....	35	0.0	1.4	-----	0.0	2.6	-----	0.0	3.8	-----
Hip Replacement/Reconstruction.....	45	2.2	2.8	-----	4.4	5.3	-----	6.7	7.2	-----
Open Reduction of Hip Fracture.....	25	4.0	4.8	-----	8.0	9.0	-----	8.0	12.2	-----
Prostatectomy.....	65	1.5	0.8	1.3	1.5	2.0	1.8	4.6	3.5	3.0
Cholecystectomy.....	38	7.9	3.3	-----	13.2	5.4	-----	13.2	6.9	-----
Hysterectomy.....	20	0.0	0.5	-----	0.0	1.1	-----	5.0	1.9	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# NASHVILLE MEMORIAL HOSPITAL

Medicare Provider Number: 440006

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 73.2 years	Cancer..... 7.1 %
Proportion female..... 57.1 %	Chronic cardiovascular disease..... 32.5 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.9 %
Referred by personal or HMO physician.... 47.5 %	Chronic renal disease..... 1.4 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 15.7 %
Admitted for elective procedure..... 26.0 %	Cerebrovascular degeneration..... 2.5 %
Admitted for emergency..... 11.1 %	Diabetes mellitus..... 11.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 62.9%	Hospital ..... 9.1 Days
State ..... 32.4%	State ..... 8.1 Days
Outside State ..... 4.7%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 314 Occupancy Rate ..... 63.0 % Ownership Control..... Private, Non-Profit Medicare Discharges ..... 40.4 % Case Mix Index (CMI) ..... 1.3726 <b>STAFFING:</b> Total Number of Physicians..... 131 Percent of Physicians Board Certified Specialists..... 76.3 % Medical Residents/Interns ..... 0 Registered Nurses..... 290 Licensed Practical Nurses..... 82	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... Yes Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... Yes Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# NORTH PARK HOSPITAL

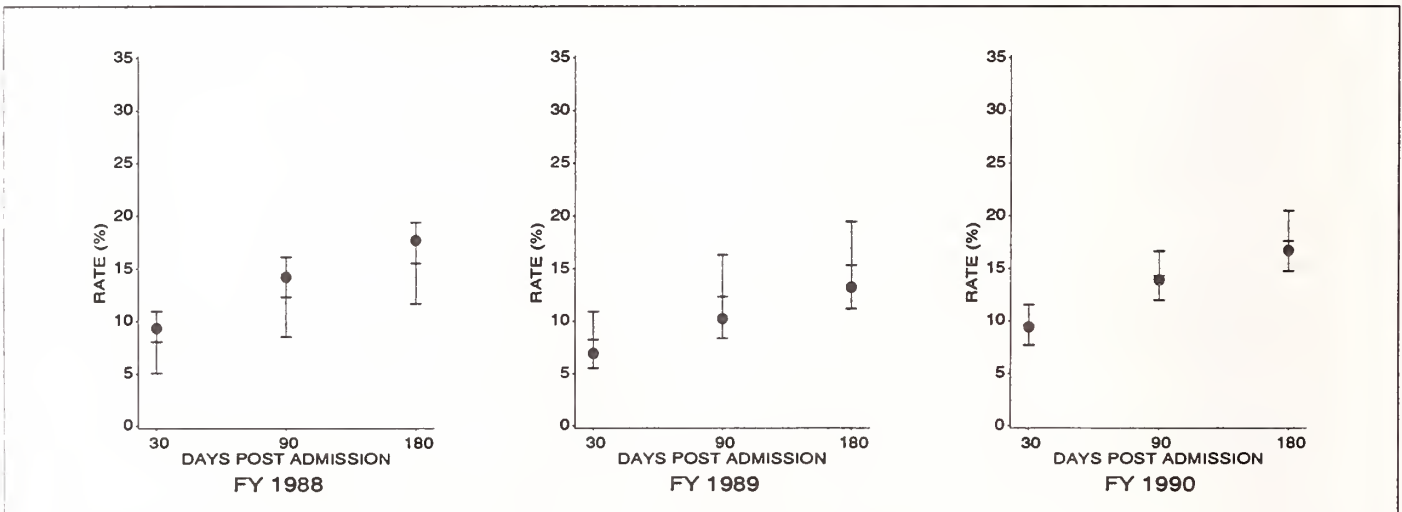
2051 HAMILL ROAD  
 HIXSON, TN 37343  
 Medicare Provider Number: 440103

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1030	9.4	9.6	1.0	13.9	14.3	1.2	16.7	17.6	1.4
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	37	35.1	23.7	-----	37.8	26.8	-----	43.2	29.6	-----
Congestive Heart Failure.....	45	11.1	14.2	-----	24.4	21.9	-----	26.7	27.8	-----
Pneumonia/Influenza.....	84	14.3	13.8	4.0	14.3	18.7	4.7	15.5	21.9	5.2
Chronic Obstructive Pulmonary Disease.....	31	6.5	7.7	-----	12.9	13.7	-----	19.4	18.4	-----
Transient Cerebral Ischemia.....	17	0.0	1.8	-----	5.9	4.0	-----	5.9	6.5	-----
Stroke.....	37	10.8	17.0	-----	16.2	23.3	-----	21.6	26.8	-----
Hip Fracture.....	24	0.0	6.5	-----	4.2	11.3	-----	4.2	14.8	-----
Sepsis.....	23	8.7	14.5	-----	13.0	21.0	-----	21.7	25.1	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	1	0.0	1.0	-----	0.0	1.9	-----	0.0	2.8	-----
Hip Replacement/Reconstruction.....	9	0.0	4.7	-----	0.0	9.0	-----	0.0	12.7	-----
Open Reduction of Hip Fracture.....	17	0.0	5.0	-----	5.9	9.1	-----	5.9	12.0	-----
Prostatectomy.....	27	3.7	1.0	-----	3.7	2.1	-----	7.4	3.3	-----
Cholecystectomy.....	20	0.0	2.3	-----	0.0	4.0	-----	5.0	5.2	-----
Hysterectomy.....	10	10.0	0.2	-----	10.0	0.4	-----	20.0	0.8	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**NORTH PARK HOSPITAL**  
 Medicare Provider Number: 440103

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.8 years	Cancer..... 3.9 %
Proportion female..... 59.8 %	Chronic cardiovascular disease..... 40.4 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.6 %
Referred by personal or HMO physician..... 31.5 %	Chronic renal disease..... 2.3 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 17.6 %
Admitted for elective procedure..... 4.5 %	Cerebrovascular degeneration..... 3.1 %
Admitted for emergency..... 21.5 %	Diabetes mellitus..... 10.8 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 83.2%	Hospital ..... 7.3 Days
State ..... 9.2%	State ..... 8.1 Days
Outside State ..... 7.6%	National ..... 8.6 Days
Total ..... 100.0%	

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 83	Burn Unit ..... No
Occupancy Rate ..... 61.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... No
Medicare Discharges .....(Not Available)	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.2786	Medical/Surgical Intensive Care ..... Yes
STAFFING:	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 204	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 73.5 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses..... 75	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 11	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

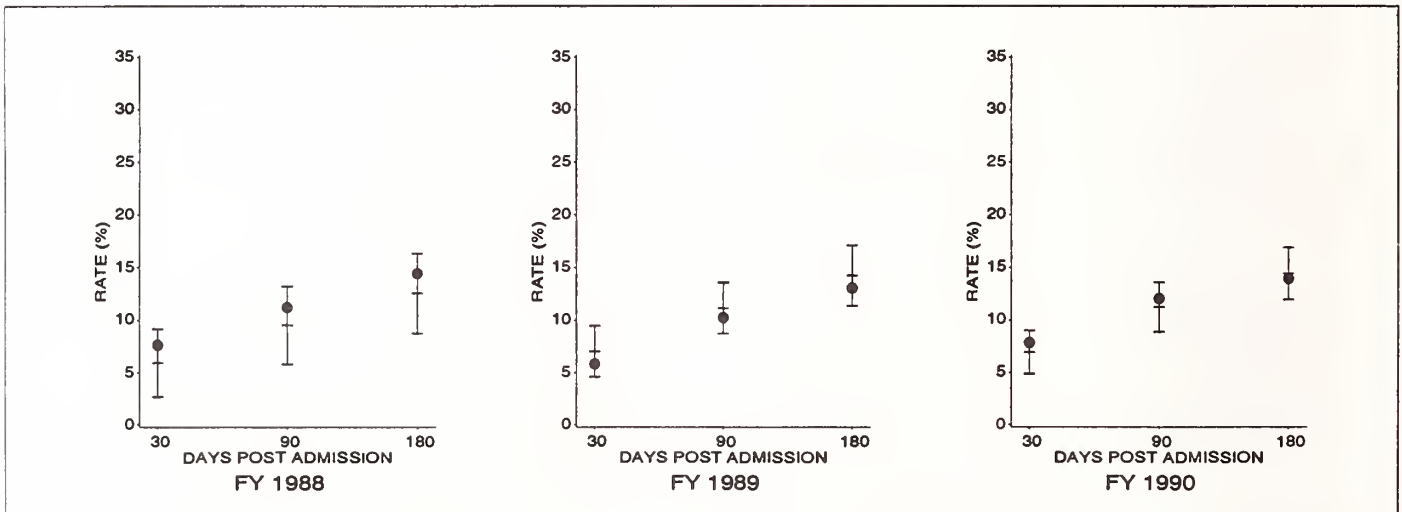
**NORTHSIDE HOSPITAL**  
 401 PRINCETON RD  
 JOHNSON CITY, TN 37601  
 Medicare Provider Number: 440184

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	832	7.8	6.9	1.0	12.0	11.2	1.2	13.9	14.4	1.2
CONDITIONS:										
Acute Myocardial Infarction.....	18	44.4	25.5	-----	55.6	29.0	-----	55.6	32.0	-----
Congestive Heart Failure.....	35	11.4	13.3	-----	22.9	21.5	-----	22.9	27.4	-----
Pneumonia/Influenza.....	50	14.0	11.4	-----	14.0	15.6	-----	16.0	18.7	-----
Chronic Obstructive Pulmonary Disease.....	25	4.0	5.3	-----	4.0	9.6	-----	4.0	13.3	-----
Transient Cerebral Ischemia.....	17	0.0	1.8	-----	0.0	4.2	-----	5.9	7.0	-----
Stroke.....	20	30.0	15.4	-----	35.0	21.4	-----	35.0	24.9	-----
Hip Fracture.....	20	5.0	7.4	-----	10.0	13.3	-----	10.0	17.2	-----
Sepsis.....	13	23.1	19.3	-----	30.8	26.4	-----	30.8	30.9	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	4	0.0	1.2	-----	0.0	2.7	-----	0.0	4.5	-----
Carotid Endarterectomy.....	1	0.0	0.8	-----	0.0	1.5	-----	0.0	2.1	-----
Hip Replacement/Reconstruction.....	10	0.0	3.0	-----	0.0	5.6	-----	0.0	7.5	-----
Open Reduction of Hip Fracture.....	11	0.0	7.6	-----	9.1	13.9	-----	9.1	17.7	-----
Prostatectomy.....	26	0.0	0.4	-----	3.8	1.0	-----	3.8	1.8	-----
Cholecystectomy.....	16	12.5	5.2	-----	12.5	9.5	-----	12.5	12.5	-----
Hysterectomy.....	1	0.0	0.2	-----	0.0	0.6	-----	0.0	1.0	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**NORTHSIDE HOSPITAL**  
 Medicare Provider Number: 440184

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 73.5 years	Cancer..... 5.2 %
Proportion female..... 59.9 %	Chronic cardiovascular disease..... 33.3 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 1.0 %
Referred by personal or HMO physician..... 98.4 %	Chronic renal disease..... 1.7 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 18.9 %
Admitted for elective procedure..... 19.8 %	Cerebrovascular degeneration..... 6.4 %
Admitted for emergency..... 55.9 %	Diabetes mellitus..... 7.8 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 66.6%	Hospital ..... 7.7 Days
State ..... 28.7%	State ..... 8.1 Days
Outside State ..... 4.7%	National ..... 8.6 Days
Total ..... 100.0%	

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 154	Burn Unit ..... No
Occupancy Rate ..... 40.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 45.4 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.0956	Medical/Surgical Intensive Care ..... Yes
STAFFING:	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 83	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 72.3 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses..... 72	Alcohol/Drug ..... Yes
Licensed Practical Nurses ..... 19	Rehabilitation..... No
	Psychiatric ..... Yes
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# OAKWOOD MEDICAL CENTER

5310 WESTERN AV  
KNOXVILLE, TN 37921  
Medicare Provider Number: 440146

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	50	0.0	1.3	----	0.0	2.6	----	0.0	3.8	----
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	0									
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



**OAKWOOD MEDICAL CENTER**  
 Medicare Provider Number: 440146

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 59.9 years	Cancer..... 2.0 %
Proportion female..... 64.0 %	Chronic cardiovascular disease..... 8.0 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.0 %
Referred by personal or HMO physician..... 100.0 %	Chronic renal disease..... 0.0 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 0.0 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 2.0 %
Admitted for emergency..... 0.0 %	Diabetes mellitus..... 6.0 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 33.8%	Hospital ..... 6.3 Days
State ..... 63.5%	State ..... 8.1 Days
Outside State ..... 2.7%	National ..... 8.6 Days
Total ..... 100.0%	

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>
Total Beds ..... 23	Burn Unit ..... No
Occupancy Rate ..... 30.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 32.6 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.1775	Medical/Surgical Intensive Care ..... No
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 22	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 36.4 %	Trauma Center ..... No
Medical Residents/Interns ..... 2	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 10	Alcohol/Drug ..... No
Licensed Practical Nurses..... 5	Rehabilitation..... No
	Psychiatric ..... Yes
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

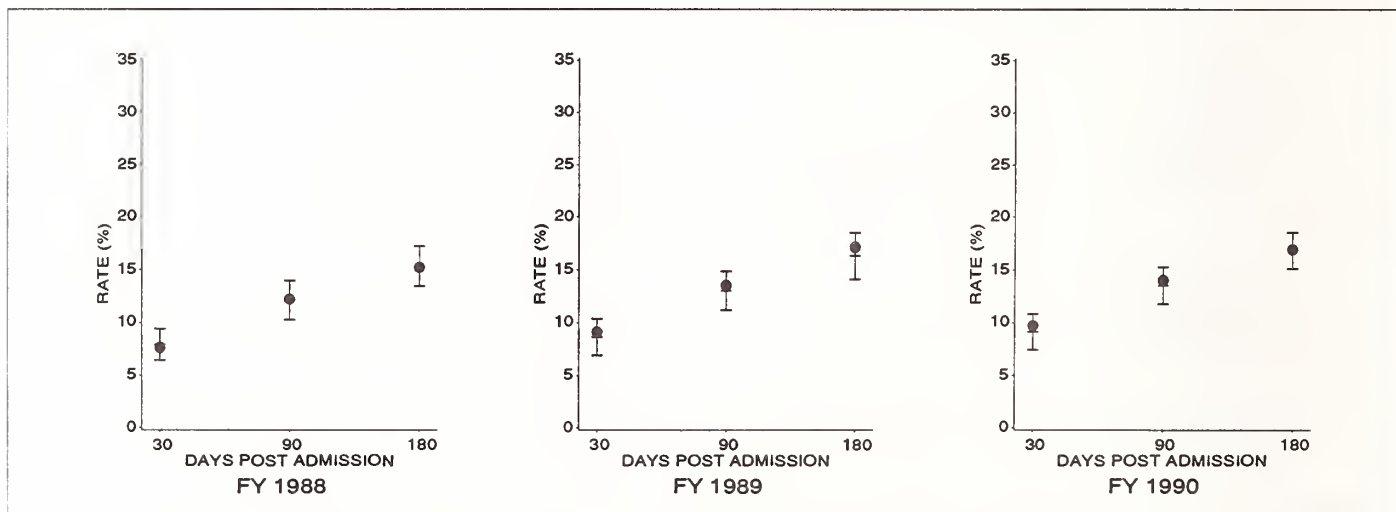
**PARKRIDGE HOSPITAL**  
 2333 MCCALLIE AVE  
 CHATTANOOGA, TN 37404  
 Medicare Provider Number: 440156

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1908	9.7	9.1	0.9	14.0	13.5	0.9	16.9	16.8	0.9
CONDITIONS:										
Acute Myocardial Infarction.....	58	25.9	29.4	6.8	27.6	32.3	7.7	27.6	34.8	8.3
Congestive Heart Failure.....	91	25.3	14.0	6.1	34.1	22.3	6.7	40.7	28.3	6.6
Pneumonia/Influenza.....	91	9.9	15.8	5.9	12.1	21.3	7.2	16.5	24.8	7.4
Chronic Obstructive Pulmonary Disease.....	14	14.3	10.7	-----	21.4	18.9	-----	21.4	24.6	-----
Transient Cerebral Ischemia.....	29	0.0	1.8	-----	3.4	3.9	-----	3.4	6.4	-----
Stroke.....	77	23.4	21.3	4.8	31.2	27.2	5.4	36.4	30.9	6.4
Hip Fracture.....	56	3.6	5.9	3.8	8.9	10.5	5.4	10.7	13.8	6.8
Sepsis.....	14	14.3	22.9	-----	35.7	30.6	-----	35.7	35.0	-----
PROCEDURES:										
Angioplasty.....	39	2.6	2.6	-----	5.1	3.3	-----	5.1	4.0	-----
Coronary Artery Bypass Graft.....	32	15.6	5.7	-----	21.9	8.5	-----	21.9	9.9	-----
Initial Pacemaker Insertion.....	20	0.0	1.6	-----	5.0	3.4	-----	5.0	5.2	-----
Carotid Endarterectomy.....	4	25.0	1.5	-----	25.0	2.5	-----	25.0	3.4	-----
Hip Replacement/Reconstruction.....	57	1.8	2.7	2.4	5.3	4.9	3.2	8.8	6.5	4.0
Open Reduction of Hip Fracture.....	30	3.3	5.0	-----	6.7	9.2	-----	6.7	12.4	-----
Prostatectomy.....	62	0.0	1.3	3.0	1.6	2.9	3.7	3.2	4.9	4.0
Cholecystectomy.....	58	5.2	2.2	3.6	6.9	4.1	5.6	6.9	5.5	6.6
Hysterectomy.....	13	0.0	0.1	-----	0.0	0.3	-----	0.0	0.6	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (°) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**PARKRIDGE HOSPITAL**  
 Medicare Provider Number: 440156

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.2 years	Cancer..... 7.5 %
Proportion female..... 57.8 %	Chronic cardiovascular disease..... 43.7 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.8 %
Referred by personal or HMO physician..... 43.2 %	Chronic renal disease..... 2.0 %
Transferred from skilled nursing facility..... 0.2 %	Chronic pulmonary disease..... 18.2 %
Admitted for elective procedure..... 41.6 %	Cerebrovascular degeneration..... 2.5 %
Admitted for emergency..... 53.4 %	Diabetes mellitus..... 8.2 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 66.9%	Hospital ..... 7.8 Days
State ..... 12.1%	State ..... 8.1 Days
Outside State ..... 21.0%	National ..... 8.6 Days
Total ..... 100.0%	

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 263	Burn Unit ..... No
Occupancy Rate ..... 54.0 %	Cardiac Intensive Care ..... Yes
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... Yes
Medicare Discharges ..... 48.6 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.3737	Medical/Surgical Intensive Care ..... Yes
STAFFING:	Organ/Tissue Transplant ..... Yes
Total Number of Physicians..... 130	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 80.0 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses..... 204	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 35	Rehabilitation..... No
	Psychiatric ..... Yes
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PERRY MEMORIAL HOSPITAL

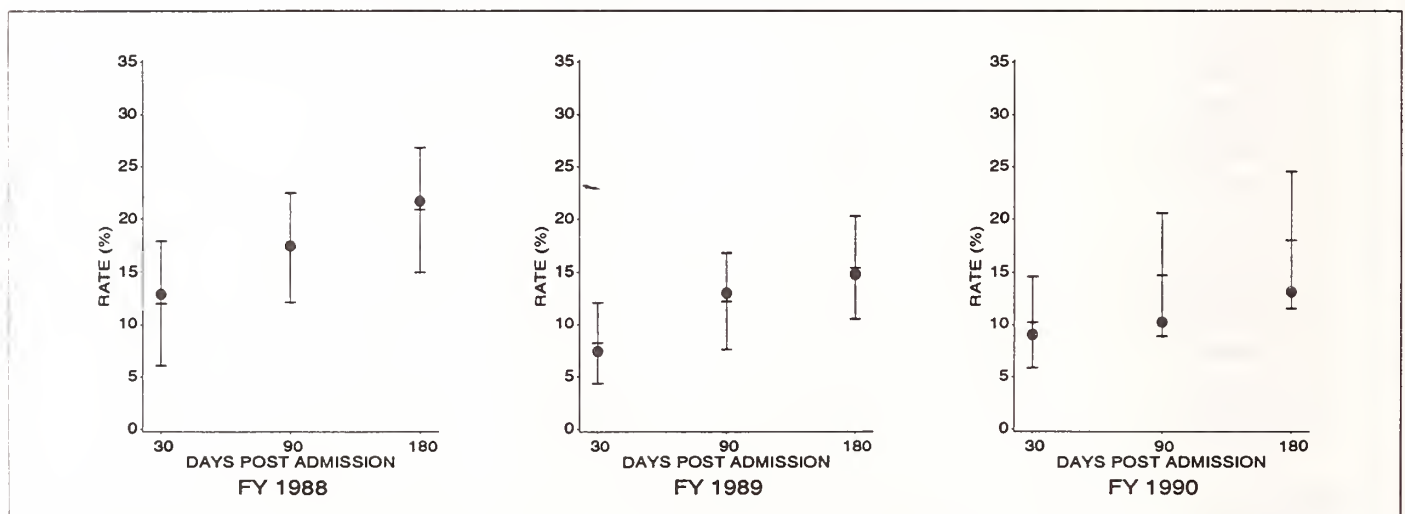
RT 10, BOX 8  
LINDEN, TN 37096  
Medicare Provider Number: 440040

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	245	9.0	10.2	2.2	10.2	14.7	2.9	13.1	18.0	3.3
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	4	50.0	37.0	-----	50.0	39.5	-----	50.0	42.7	-----
Congestive Heart Failure.....	13	7.7	12.8	-----	7.7	20.1	-----	7.7	25.6	-----
Pneumonia/Influenza.....	23	13.0	14.1	-----	13.0	19.0	-----	13.0	22.6	-----
Chronic Obstructive Pulmonary Disease.....	7	28.6	8.8	-----	28.6	16.4	-----	28.6	21.2	-----
Transient Cerebral Ischemia.....	7	0.0	0.9	-----	0.0	2.2	-----	0.0	3.7	-----
Stroke.....	3	0.0	18.3	-----	0.0	22.4	-----	0.0	25.2	-----
Hip Fracture.....	0									
Sepsis.....	2	50.0	34.1	-----	50.0	37.2	-----	50.0	39.9	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	3	0.0	1.1	-----	0.0	2.1	-----	0.0	2.8	-----
Hysterectomy.....	1	0.0	0.2	-----	0.0	0.5	-----	0.0	1.0	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**PERRY MEMORIAL HOSPITAL**  
 Medicare Provider Number: 440040

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	73.9 years	Cancer.....	2.4 %
Proportion female.....	55.5 %	Chronic cardiovascular disease.....	29.8 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.4 %
Referred by personal or HMO physician.....	36.7 %	Chronic renal disease.....	1.2 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	16.3 %
Admitted for elective procedure.....	0.0 %	Cerebrovascular degeneration.....	2.0 %
Admitted for emergency.....	98.4 %	Diabetes mellitus.....	9.8 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	59.5%	Hospital .....	4.7 Days
State .....	38.7%	State .....	8.1 Days
Outside State .....	1.8%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds .....	Burn Unit .....
Occupancy Rate .....	Cardiac Intensive Care .....
Ownership/Control.....	Comprehensive Geriatric .....
Medicare Discharges .....	Hospice Care .....
Case Mix Index (CMI) .....	Medical/Surgical Intensive Care .....
STAFFING:	Organ/Tissue Transplant .....
Total Number of Physicians.....	Other Intensive Care .....
Percent of Physicians Board Certified Specialists .....	Trauma Center .....
Medical Residents/Interns .....	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses.....	Alcohol/Drug .....
Licensed Practical Nurses .....	Rehabilitation.....
	Psychiatric .....
	Medicare Swing Beds .....

\*\* Except for CMI

\* Not used in calculating mortality rates

# REGIONAL HOSPITAL OF JACKSON

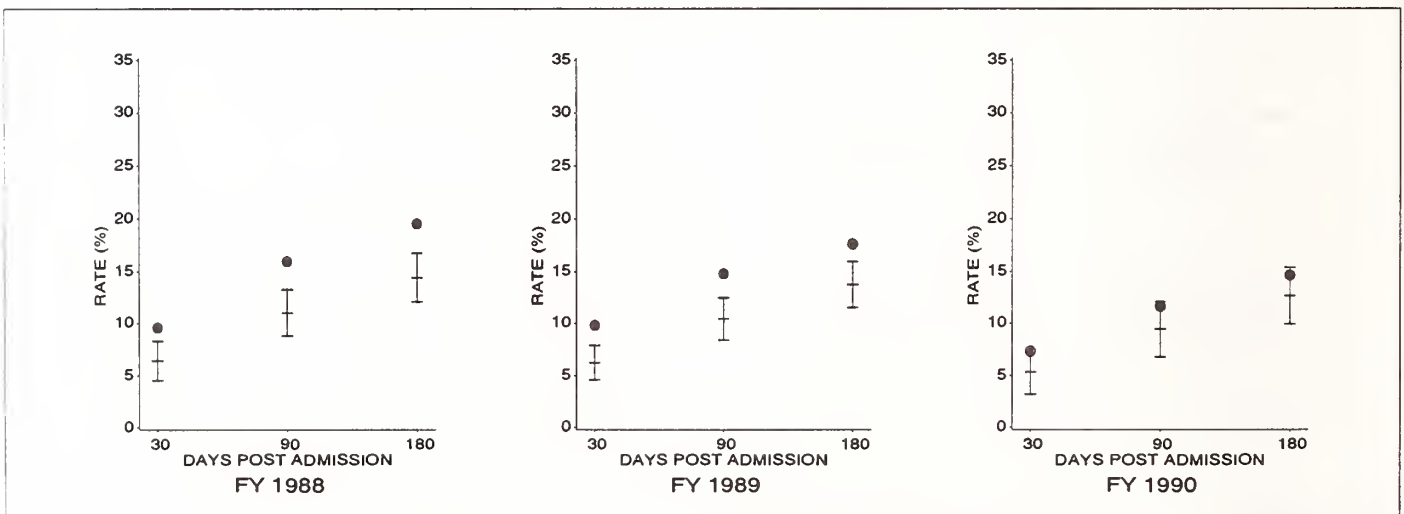
49 OLD HICKORY BLVD  
JACKSON, TN 38303  
Medicare Provider Number: 440189

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	993	7.3	5.3	1.1	11.6	9.4	1.3	14.6	12.6	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	3	66.7	29.4	-----	66.7	32.4	-----	66.7	35.4	-----
Congestive Heart Failure.....	13	15.4	11.5	-----	15.4	18.2	-----	23.1	23.0	-----
Pneumonia/Influenza.....	24	16.7	13.8	-----	25.0	19.1	-----	25.0	23.0	-----
Chronic Obstructive Pulmonary Disease.....	51	2.0	3.6	3.1	9.8	7.5	4.1	13.7	11.0	4.9
Transient Cerebral Ischemia.....	4	0.0	1.2	-----	0.0	2.9	-----	0.0	5.1	-----
Stroke.....	11	18.2	20.2	-----	18.2	28.3	-----	27.3	32.6	-----
Hip Fracture.....	133	9.0	5.6	2.9	15.8	10.1	3.9	19.5	13.4	4.6
Sepsis.....	6	0.0	15.7	-----	0.0	21.0	-----	0.0	25.1	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	1	100.0	1.9	-----	100.0	3.8	-----	100.0	5.5	-----
Hip Replacement/Reconstruction.....	74	9.5	4.1	3.5	13.5	7.4	4.6	16.2	10.0	5.9
Open Reduction of Hip Fracture.....	69	5.8	4.7	3.1	13.0	8.9	5.3	17.4	12.0	6.7
Prostatectomy.....	49	0.0	1.0	-----	2.0	2.5	-----	2.0	4.2	-----
Cholecystectomy.....	22	0.0	1.0	-----	4.5	1.9	-----	4.5	2.7	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# REGIONAL HOSPITAL OF JACKSON

Medicare Provider Number: 440189

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 71.8 years	Cancer..... 7.9 %
Proportion female..... 55.9 %	Chronic cardiovascular disease..... 22.6 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.5 %
Referred by personal or HMO physician..... 65.3 %	Chronic renal disease..... 10.3 %
Transferred from skilled nursing facility..... 0.2 %	Chronic pulmonary disease..... 19.4 %
Admitted for elective procedure..... 40.3 %	Cerebrovascular degeneration..... 3.7 %
Admitted for emergency..... 7.6 %	Diabetes mellitus..... 7.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 29.8%	Hospital ..... 8.5 Days
State ..... 67.7%	State ..... 8.1 Days
Outside State ..... 2.5%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 166 Occupancy Rate ..... 44.0 % Ownership/Control..... Private, For Profit Medicare Discharges ..... 47.3 % Case Mix Index (CMI) ..... 1.4179	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... Yes Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 39 Percent of Physicians Board Certified Specialists ..... 74.4 % Medical Residents/Interns ..... 0 Registered Nurses..... 106 Licensed Practical Nurses ..... 28	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... Yes Rehabilitation..... No Psychiatric..... No Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# REGIONAL MEDICAL CENTER AT MEMPHIS

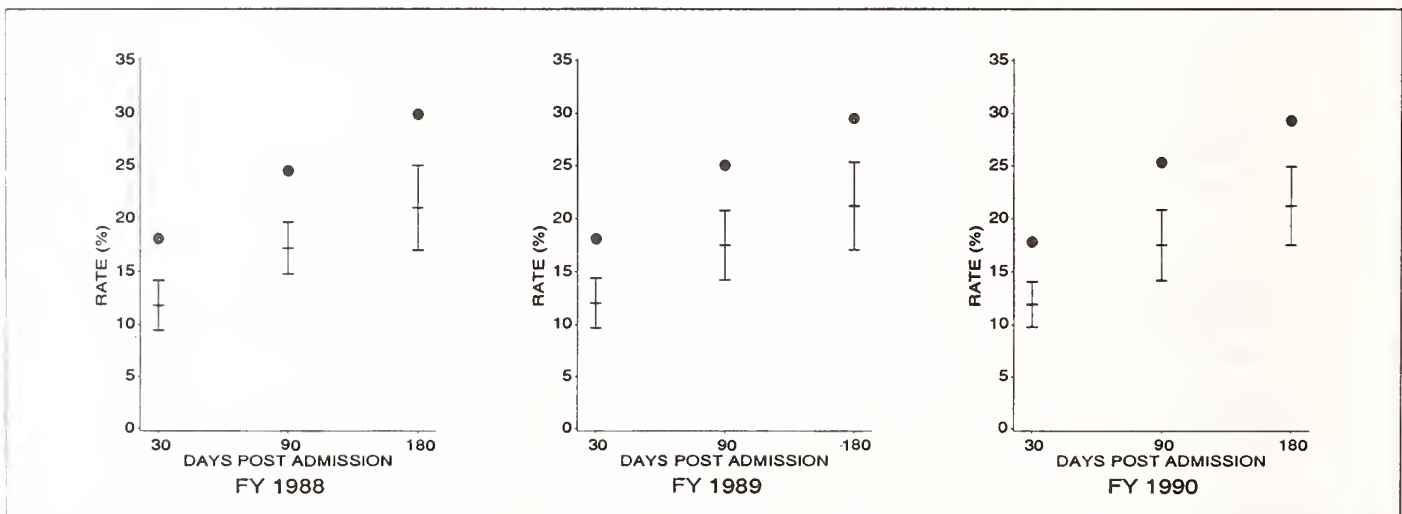
877 JEFFERSON  
MEMPHIS, TN 38103  
Medicare Provider Number: 440152

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1272	17.8	11.9	1.1	25.3	17.5	1.7	29.3	21.2	1.9
CONDITIONS:										
Acute Myocardial Infarction.....	18	27.8	28.5	-----	33.3	30.7	-----	38.9	33.1	-----
Congestive Heart Failure.....	75	6.7	11.6	4.6	20.0	19.1	4.9	30.7	24.6	6.9
Pneumonia/Influenza.....	59	20.3	12.8	5.3	27.1	17.7	6.1	30.5	20.8	6.4
Chronic Obstructive Pulmonary Disease.....	14	21.4	9.2	-----	35.7	15.7	-----	35.7	20.3	-----
Transient Cerebral Ischemia.....	13	0.0	1.1	-----	0.0	2.6	-----	0.0	4.2	-----
Stroke.....	57	19.3	19.1	5.3	24.6	25.1	5.8	28.1	28.3	6.1
Hip Fracture.....	28	7.1	6.9	-----	10.7	11.9	-----	14.3	15.1	-----
Sepsis.....	48	52.1	30.3	-----	62.5	39.0	-----	64.6	44.3	-----
PROCEDURES:										
Angioplasty.....	1	0.0	2.4	-----	0.0	3.4	-----	0.0	4.8	-----
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	8.1	-----	0.0	14.2	-----	0.0	19.6	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	8	12.5	4.7	-----	12.5	8.5	-----	12.5	11.2	-----
Open Reduction of Hip Fracture.....	5	0.0	3.9	-----	0.0	6.7	-----	0.0	9.2	-----
Prostatectomy.....	3	0.0	4.3	-----	0.0	10.8	-----	0.0	18.2	-----
Cholecystectomy.....	1	0.0	3.3	-----	0.0	6.0	-----	0.0	7.6	-----
Hysterectomy.....	5	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# REGIONAL MEDICAL CENTER AT MEMPHIS

Medicare Provider Number: 440152

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 68.6 years	Cancer..... 5.7 %
Proportion female..... 53.5 %	Chronic cardiovascular disease..... 24.9 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.8 %
Referred by personal or HMO physician..... 5.2 %	Chronic renal disease..... 2.4 %
Transferred from skilled nursing facility..... 3.6 %	Chronic pulmonary disease..... 8.4 %
Admitted for elective procedure..... 4.5 %	Cerebrovascular degeneration..... 8.7 %
Admitted for emergency..... 64.6 %	Diabetes mellitus..... 9.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 90.0%	Hospital ..... 9.0 Days
State ..... 2.2%	State ..... 8.1 Days
Outside State ..... 7.8%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 467 Occupancy Rate ..... 90.0 % Ownership Control..... Private, Non-Profit Medicare Discharges ..... 9.2 % Case Mix Index (CMI) ..... 1.4736 <b>STAFFING:</b> Total Number of Physicians..... 301 Percent of Physicians Board Certified Specialists ..... 82.1 % Medical Residents/Interns ..... 0 Registered Nurses..... 515 Licensed Practical Nurses ..... 197	<b>SPECIALTY SERVICES:</b> Burn Unit ..... Yes Cardiac Intensive Care ..... Yes Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... Yes Other Intensive Care ..... Yes Trauma Center ..... Yes <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... No
** Except for CMI	

\* Not used In calculating mortality rates

# RENAISSANCE REHAB & DIAG HOSPITAL

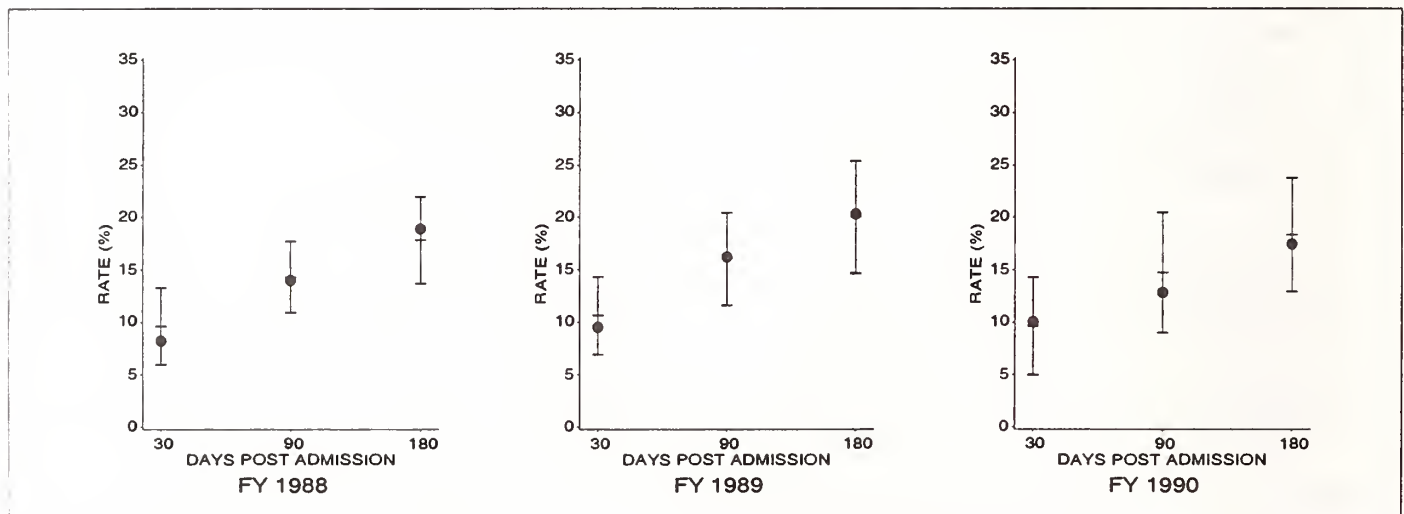
2412 MCCALLIE AVE  
CHATTANOOGA, TN 37404  
Medicare Provider Number: 440162

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	219	10.0	9.6	2.3	12.8	14.7	2.9	17.4	18.3	2.7
CONDITIONS:										
Acute Myocardial Infarction.....	7	28.6	25.0	-----	28.6	26.9	-----	42.9	28.7	-----
Congestive Heart Failure.....	26	11.5	13.6	-----	15.4	22.3	-----	30.8	28.9	-----
Pneumonia/Influenza.....	7	14.3	16.3	-----	14.3	23.2	-----	42.9	26.6	-----
Chronic Obstructive Pulmonary Disease.....	10	0.0	9.4	-----	0.0	17.2	-----	0.0	22.2	-----
Transient Cerebral Ischemia.....	1	0.0	0.7	-----	0.0	2.1	-----	0.0	4.0	-----
Stroke.....	3	0.0	26.6	-----	0.0	32.6	-----	0.0	35.8	-----
Hip Fracture.....	0									
Sepsis.....	3	0.0	17.4	-----	0.0	22.5	-----	0.0	26.1	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# RENAISSANCE REHAB & DIAG HOSPITAL

Medicare Provider Number: 440162

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 73.4 years	Cancer..... 3.7 %
Proportion female..... 57.5 %	Chronic cardiovascular disease..... 58.9 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.9 %
Referred by personal or HMO physician..... 49.8 %	Chronic renal disease..... 0.0 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 23.7 %
Admitted for elective procedure..... 43.8 %	Cerebrovascular degeneration..... 3.2 %
Admitted for emergency..... 55.7 %	Diabetes mellitus..... 11.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 57.6%	Hospital ..... 7.7 Days
State ..... 12.8%	State ..... 8.1 Days
Outside State ..... 29.6%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 80 Occupancy Rate ..... 37.0 % Ownership/Control..... Private, For Profit Medicare Discharges .....(Not Available) Case Mix Index (CMI) ..... 1.1063	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... No Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... (Not Available) Percent of Physicians Board Certified Specialists .....(Not Available) Medical Residents/Interns ..... (Not Available) Registered Nurses..... (Not Available) Licensed Practical Nurses ..... (Not Available)	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... Yes Psychiatric ..... No Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# RHEA MEDICAL CENTER

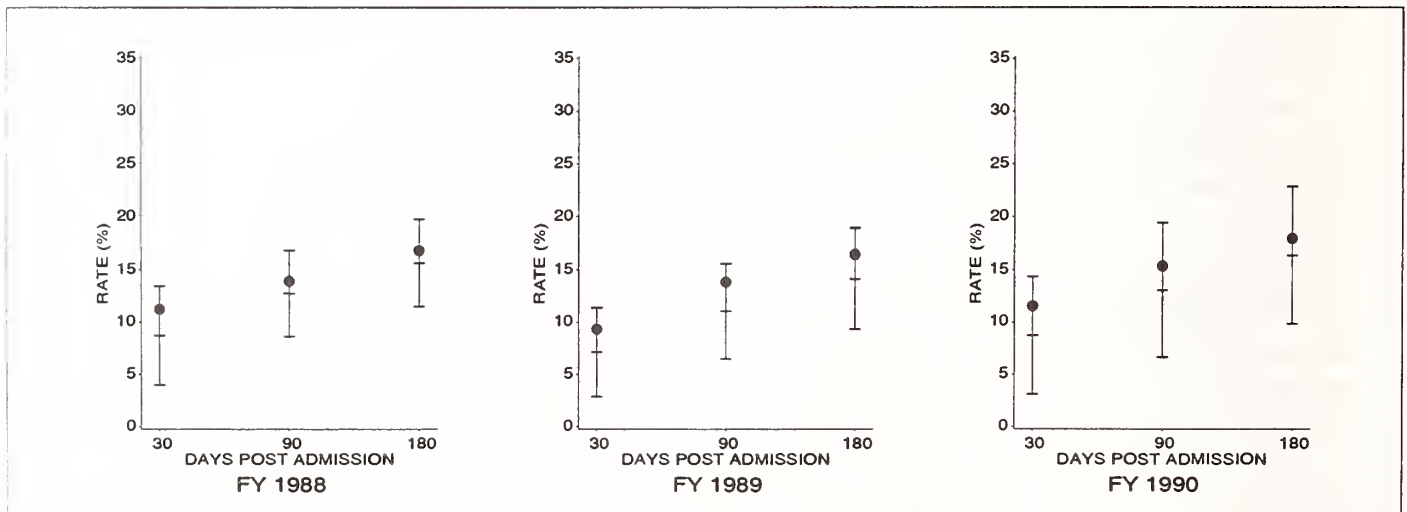
HWY 27 N, BOX 629  
DAYTON, TN 37321  
Medicare Provider Number: 440023

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	340	11.5	8.7	2.8	15.3	13.0	3.2	17.9	16.3	3.3
CONDITIONS:										
Acute Myocardial Infarction.....	6	16.7	29.8	-----	16.7	32.7	-----	16.7	35.2	-----
Congestive Heart Failure.....	20	15.0	16.2	-----	30.0	25.9	-----	35.0	32.8	-----
Pneumonia/Influenza.....	33	15.2	11.9	-----	18.2	16.6	-----	18.2	20.2	-----
Chronic Obstructive Pulmonary Disease.....	16	6.3	5.9	-----	18.8	10.8	-----	18.8	15.0	-----
Transient Cerebral Ischemia.....	9	11.1	1.7	-----	11.1	4.0	-----	11.1	6.7	-----
Stroke.....	8	12.5	19.3	-----	25.0	24.7	-----	25.0	28.4	-----
Hip Fracture.....	0									
Sepsis.....	2	0.0	24.6	-----	0.0	34.7	-----	0.0	41.1	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	4	25.0	0.6	-----	25.0	1.2	-----	25.0	2.1	-----
Cholecystectomy.....	4	25.0	3.5	-----	25.0	6.5	-----	25.0	7.9	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**RHEA MEDICAL CENTER**  
 Medicare Provider Number: 440023

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	74.7 years	Cancer.....	4.7 %
Proportion female.....	60.3 %	Chronic cardiovascular disease.....	37.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.3 %
Referred by personal or HMO physician.....	25.0 %	Chronic renal disease.....	3.5 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	16.2 %
Admitted for elective procedure.....	0.0 %	Cerebrovascular degeneration.....	2.1 %
Admitted for emergency.....	0.6 %	Diabetes mellitus.....	9.7 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	90.2%	Hospital .....	4.4 Days
State .....	8.8%	State .....	8.1 Days
Outside State .....	1.0%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds .....	146	Burn Unit .....	No
Occupancy Rate .....	73.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	Local Government	Comprehensive Geriatric .....	No
Medicare Discharges .....	37.2 %	Hospice Care .....	No
Case Mix Index (CMI) .....	0.9670	Medical/Surgical Intensive Care .....	Yes
STAFFING:		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	14	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists .....	42.9 %	Trauma Center .....	No
Medical Residents/Interns .....	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses.....	16	Alcohol/Drug .....	No
Licensed Practical Nurses.....	9	Rehabilitation.....	No
		Psychiatric .....	No
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# RIVER PARK HOSPITAL

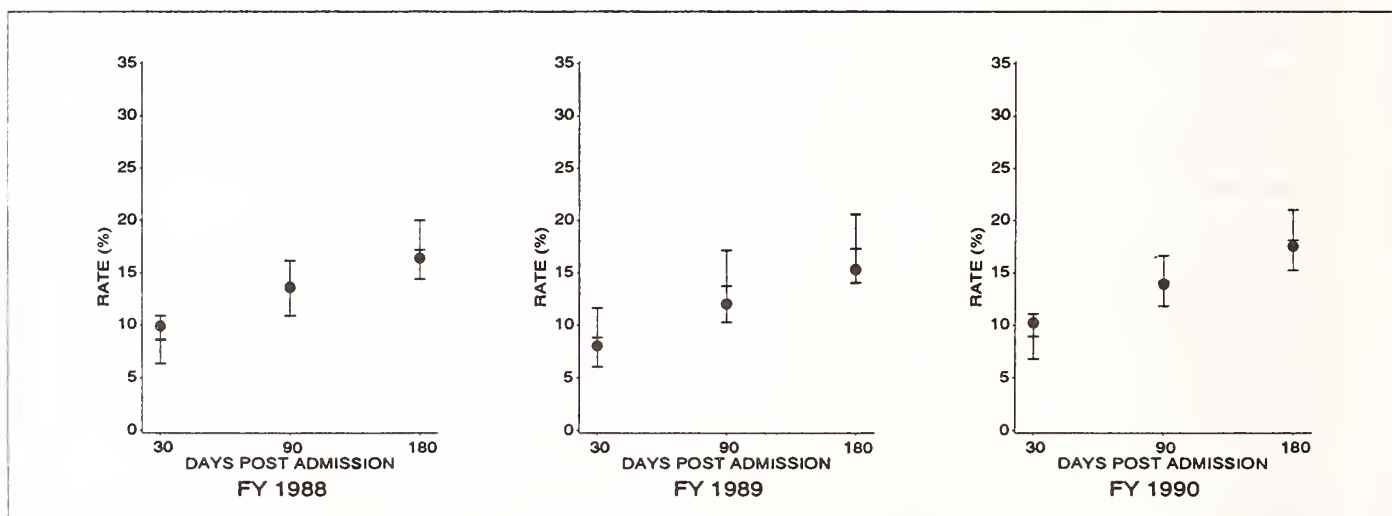
1510 SPARTA RD  
MCMINNVILLE, TN 37110  
Medicare Provider Number: 440151

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	834	10.2	8.9	1.1	13.9	14.2	1.2	17.5	18.1	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	11	9.1	27.5	-----	18.2	30.1	-----	18.2	32.9	-----
Congestive Heart Failure.....	59	6.8	12.9	6.8	18.6	20.5	6.0	23.7	26.3	6.6
Pneumonia/Influenza.....	43	18.6	19.7	-----	20.9	27.4	-----	27.9	31.7	-----
Chronic Obstructive Pulmonary Disease.....	27	7.4	6.1	-----	14.8	11.8	-----	14.8	16.2	-----
Transient Cerebral Ischemia.....	19	10.5	1.5	-----	10.5	3.4	-----	15.8	5.7	-----
Stroke.....	26	15.4	20.3	-----	19.2	27.7	-----	23.1	32.0	-----
Hip Fracture.....	27	11.1	7.4	-----	14.8	13.4	-----	18.5	17.6	-----
Sepsis.....	7	28.6	27.2	-----	28.6	38.0	-----	28.6	43.1	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	5	0.0	5.0	-----	0.0	8.1	-----	0.0	10.2	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	13	0.0	4.7	-----	0.0	8.7	-----	0.0	11.5	-----
Open Reduction of Hip Fracture.....	17	11.8	6.1	-----	11.8	11.6	-----	17.6	15.6	-----
Prostatectomy.....	24	0.0	1.1	-----	0.0	2.3	-----	0.0	3.6	-----
Cholecystectomy.....	20	5.0	1.4	-----	5.0	2.4	-----	5.0	3.2	-----
Hysterectomy.....	5	0.0	0.2	-----	0.0	0.4	-----	0.0	0.7	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**RIVER PARK HOSPITAL**  
Medicare Provider Number: 440151

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	75.8 years	Cancer.....	6.2 %
Proportion female.....	59.5 %	Chronic cardiovascular disease.....	40.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.6 %
Referred by personal or HMO physician.....	34.9 %	Chronic renal disease.....	1.8 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	19.9 %
Admitted for elective procedure.....	31.6 %	Cerebrovascular degeneration.....	10.3 %
Admitted for emergency.....	62.9 %	Diabetes mellitus.....	10.2 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	78.3%	Hospital .....	6.9 Days
State .....	19.8%	State .....	8.1 Days
Outside State .....	1.9%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds .....	89	Burn Unit .....	No
Occupancy Rate .....	56.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	Private, For Profit	Comprehensive Geriatric .....	No
Medicare Discharges .....	41.0 %	Hospice Care .....	No
Case Mix Index (CMI) .....	1.1378	Medical/Surgical Intensive Care .....	Yes
STAFFING:		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	23	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists.....	87.0 %	Trauma Center .....	No
Medical Residents/Interns .....	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses.....	44	Alcohol/Drug.....	No
Licensed Practical Nurses .....	40	Rehabilitation.....	No
		Psychiatric .....	No
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SCOTT COUNTY HOSPITAL

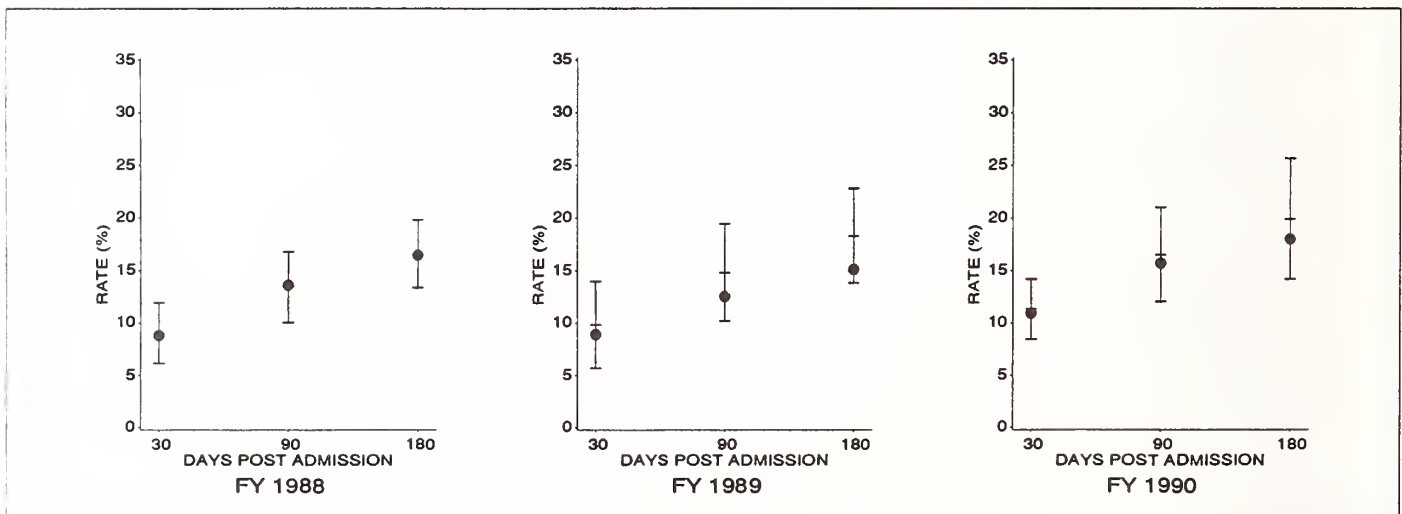
HWY 27, BOX 308  
ONEIDA, TN 37841  
Medicare Provider Number: 440052

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	543	10.9	11.3	1.4	15.7	16.5	2.3	18.0	19.9	2.9
CONDITIONS:										
Acute Myocardial Infarction.....	13	30.8	23.6	-----	38.5	26.3	-----	38.5	29.1	-----
Congestive Heart Failure.....	18	22.2	16.6	-----	33.3	25.8	-----	38.9	32.2	-----
Pneumonia/Influenza.....	75	13.3	16.3	5.2	21.3	22.1	4.9	25.3	25.6	5.2
Chronic Obstructive Pulmonary Disease.....	27	3.7	5.6	-----	3.7	11.0	-----	3.7	15.4	-----
Transient Cerebral Ischemia.....	9	0.0	2.0	-----	0.0	4.5	-----	0.0	7.1	-----
Stroke.....	22	31.8	19.6	-----	36.4	24.9	-----	36.4	28.4	-----
Hip Fracture.....	1	0.0	4.5	-----	0.0	8.5	-----	0.0	10.7	-----
Sepsis.....	5	40.0	36.6	-----	40.0	43.6	-----	40.0	48.5	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	2	0.0	0.6	-----	0.0	1.5	-----	0.0	2.3	-----
Hysterectomy.....	3	0.0	0.1	-----	0.0	0.2	-----	0.0	0.4	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**SCOTT COUNTY HOSPITAL**  
 Medicare Provider Number: 440052

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	72.5 years	Cancer.....	4.4 %
Proportion female.....	55.3 %	Chronic cardiovascular disease.....	36.8 %
<b>ADMISSION SOURCES/TYPES:</b>		Chronic liver disease.....	0.7 %
Referred by personal or HMO physician.....	51.1 %	Chronic renal disease.....	5.9 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	33.6 %
Admitted for elective procedure.....	0.4 %	Cerebrovascular degeneration.....	1.5 %
Admitted for emergency.....	83.5 %	Diabetes mellitus.....	7.4 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	72.1%	Hospital .....	6.6 Days
State .....	6.3%	State .....	8.1 Days
Outside State .....	21.6%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990			
<b>PROFILE:</b>		<b>SPECIALTY SERVICES:</b>	
Total Beds .....	79	Burn Unit .....	No
Occupancy Rate .....	55.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	Private, For Profit	Comprehensive Geriatric .....	No
Medicare Discharges .....	(Not Available)	Hospice Care .....	No
Case Mix Index (CMI) .....	1.0789	Medical/Surgical Intensive Care .....	No
<b>STAFFING:</b>		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	9	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists .....	55.6 %	Trauma Center .....	No
Medical Residents/Interns .....	0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
Registered Nurses.....	24	Alcohol/Drug .....	No
Licensed Practical Nurses .....	27	Rehabilitation.....	No
		Psychiatric.....	No
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SEQUATCHIE GENERAL HOSPITAL

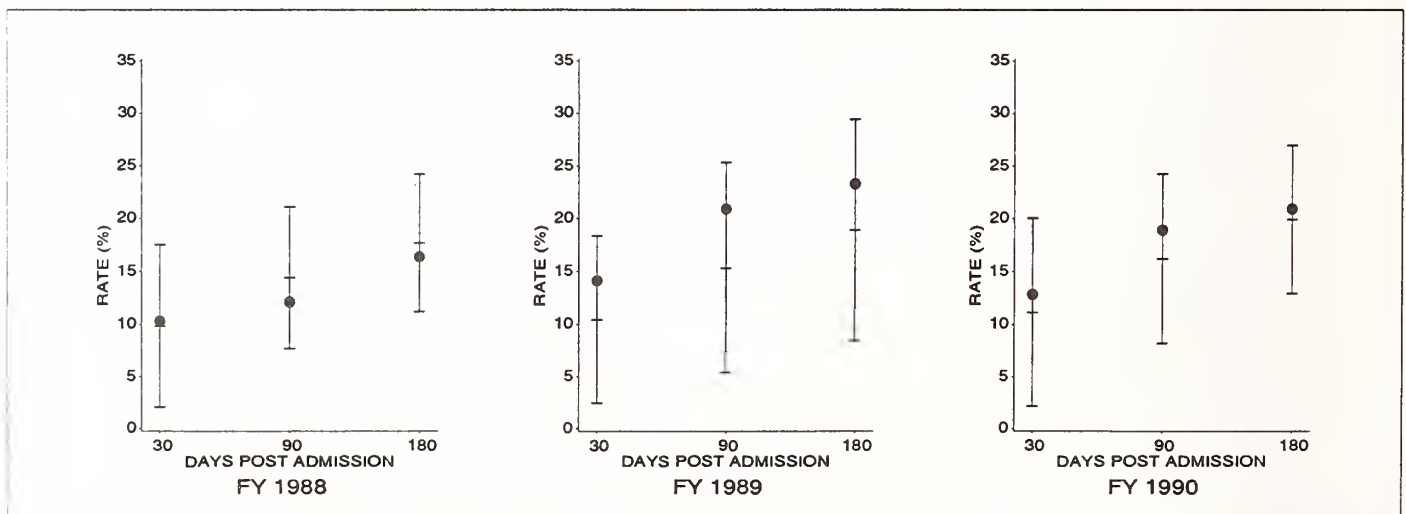
30 CEDAR ST, BOX 787  
DUNLAP, TN 37327  
Medicare Provider Number: 440074

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	148	12.8	11.1	4.5	18.9	16.2	4.0	20.9	19.9	3.5
CONDITIONS:										
Acute Myocardial Infarction.....	1	0.0	45.1	-----	0.0	48.7	-----	0.0	51.1	-----
Congestive Heart Failure.....	15	33.3	17.5	-----	33.3	24.7	-----	33.3	30.7	-----
Pneumonia/Influenza.....	12	33.3	17.2	-----	41.7	24.5	-----	41.7	28.1	-----
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	3	0.0	1.6	-----	0.0	4.2	-----	0.0	7.4	-----
Stroke.....	12	16.7	20.4	-----	25.0	27.8	-----	25.0	32.0	-----
Hip Fracture.....	0									
Sepsis.....	2	0.0	30.1	-----	0.0	36.9	-----	0.0	41.4	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SEQUATCHIE GENERAL HOSPITAL

Medicare Provider Number: 440074

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 77.1 years	Cancer..... 2.7 %
Proportion female..... 58.8 %	Chronic cardiovascular disease..... 46.6 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.0 %
Referred by personal or HMO physician..... 45.3 %	Chronic renal disease..... 0.7 %
Transferred from skilled nursing facility..... 2.0 %	Chronic pulmonary disease..... 9.5 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 4.1 %
Admitted for emergency..... 10.1 %	Diabetes mellitus..... 12.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 64.9%	Hospital ..... 4.9 Days
State ..... 32.0%	State ..... 8.1 Days
Outside State ..... 3.1%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 49	Burn Unit ..... No
Occupancy Rate ..... 40.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, Non-Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 41.8 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 0.9233	Medical/Surgical Intensive Care ..... No
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 8	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 50.0 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 8	Alcohol/Drug ..... Yes
Licensed Practical Nurses ..... 9	Rehabilitation..... No
	Psychiatric ..... Yes
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SMITH COUNTY MEMORIAL HOSPITAL

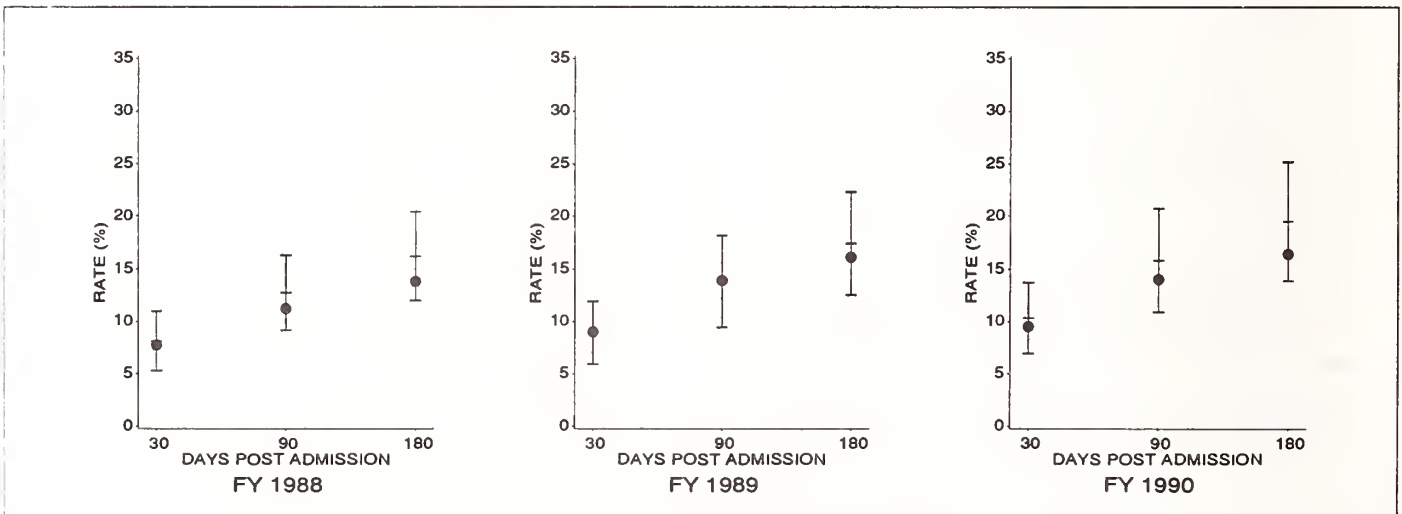
300 HOSPITAL DRIVE  
CARTHAGE, TN 37030  
Medicare Provider Number: 440186

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	336	9.5	10.3	1.7	14.0	15.8	2.5	16.4	19.5	2.8
CONDITIONS:										
Acute Myocardial Infarction.....	10	30.0	30.0	----	40.0	34.3	----	50.0	37.9	----
Congestive Heart Failure.....	24	8.3	16.5	----	12.5	26.3	----	25.0	33.1	----
Pneumonia/Influenza.....	26	19.2	16.3	----	19.2	22.9	----	19.2	26.6	----
Chronic Obstructive Pulmonary Disease.....	8	12.5	3.8	----	12.5	7.7	----	12.5	11.2	----
Transient Cerebral Ischemia.....	9	0.0	2.3	----	11.1	5.0	----	22.2	7.9	----
Stroke.....	15	20.0	16.1	----	26.7	21.5	----	26.7	25.5	----
Hip Fracture.....	0									
Sepsis.....	4	0.0	24.0	----	0.0	39.6	----	0.0	47.4	----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	2	0.0	0.4	----	0.0	0.8	----	0.0	1.2	----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$  SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





# SMITH COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 440186

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 76.4 years	Cancer..... 6.5 %
Proportion female..... 58.0 %	Chronic cardiovascular disease..... 33.9 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.3 %
Referred by personal or HMO physician..... 46.4 %	Chronic renal disease..... 1.5 %
Transferred from skilled nursing facility..... 0.3 %	Chronic pulmonary disease..... 20.8 %
Admitted for elective procedure..... 4.8 %	Cerebrovascular degeneration..... 2.4 %
Admitted for emergency..... 2.1 %	Diabetes mellitus..... 4.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 72.0%	Hospital ..... 6.5 Days
State ..... 27.6%	State ..... 8.1 Days
Outside State ..... 0.4%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 30	Burn Unit ..... No
Occupancy Rate ..... 80.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 44.0 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.0594	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 11	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 27.3 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 14	Alcohol/Drug ..... No
Licensed Practical Nurses..... 18	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SOUTH PITTSBURG MUNICIPAL HOSPITAL

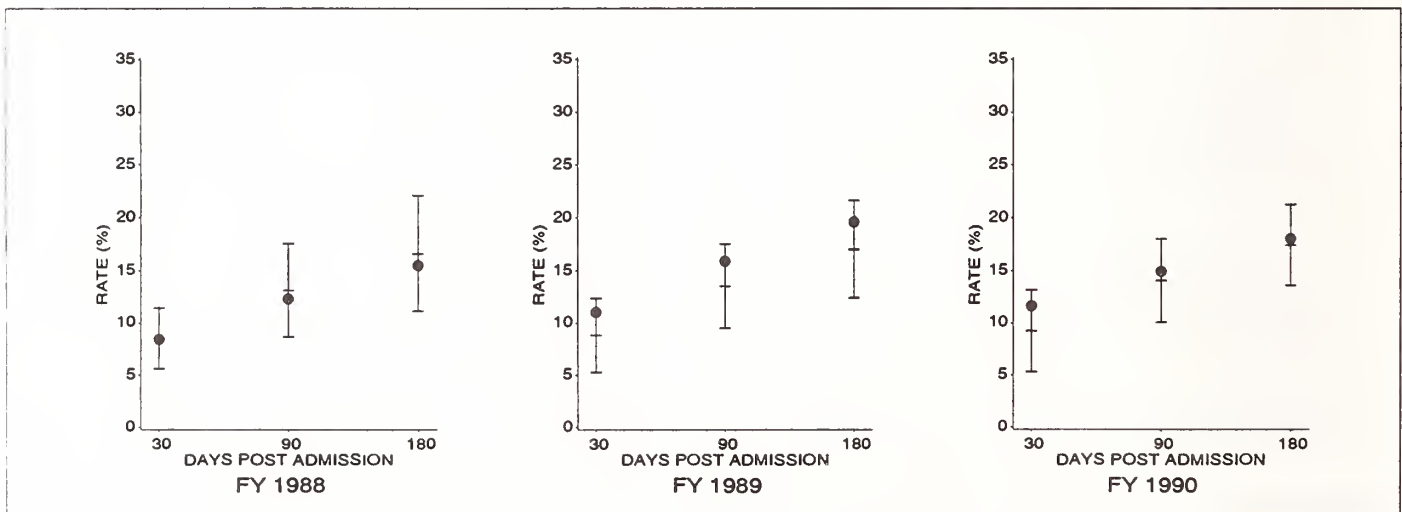
210 W 12 ST  
SOUTH PITTSBURG, TN 37380  
Medicare Provider Number: 440064

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	422	11.6	9.2	2.0	14.9	14.0	2.0	18.0	17.4	1.9
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	11	27.3	27.1	-----	27.3	30.2	-----	27.3	32.8	-----
Congestive Heart Failure.....	38	10.5	13.3	-----	15.8	20.9	-----	15.8	26.9	-----
Pneumonia/Influenza.....	25	16.0	13.4	-----	16.0	18.7	-----	16.0	21.8	-----
Chronic Obstructive Pulmonary Disease.....	8	0.0	6.9	-----	0.0	12.4	-----	0.0	16.9	-----
Transient Cerebral Ischemia.....	7	14.3	2.3	-----	28.6	5.3	-----	42.9	9.1	-----
Stroke.....	9	66.7	35.3	-----	77.8	41.4	-----	77.8	44.6	-----
Hip Fracture.....	0									
Sepsis.....	5	40.0	22.5	-----	40.0	33.7	-----	40.0	41.3	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	2	0.0	0.3	-----	0.0	0.7	-----	0.0	1.3	-----
Cholecystectomy.....	3	0.0	1.5	-----	0.0	2.7	-----	0.0	3.5	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# SOUTH PITTSBURG MUNICIPAL HOSPITAL

Medicare Provider Number: 440064

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.6 years	Cancer..... 4.3 %
Proportion female..... 61.1 %	Chronic cardiovascular disease..... 42.7 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.5 %
Referred by personal or HMO physician..... 32.5 %	Chronic renal disease..... 1.4 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 10.0 %
Admitted for elective procedure..... 27.0 %	Cerebrovascular degeneration..... 2.4 %
Admitted for emergency..... 64.7 %	Diabetes mellitus..... 11.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 76.8%	Hospital ..... 5.7 Days
State ..... 6.6%	State ..... 8.1 Days
Outside State ..... 16.6%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 60 Occupancy Rate ..... 38.0 % Ownership/Control..... Private, For Profit Medicare Discharges ..... 50.6 % Case Mix Index (CMI) ..... 0.9559	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 11 Percent of Physicians Board Certified Specialists..... 54.5 % Medical Residents/Interns ..... 0 Registered Nurses..... 16 Licensed Practical Nurses..... 20	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... Yes Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... Yes
** Except for CMI	

\* Not used in calculating mortality rates

# ST FRANCIS HOSPITAL

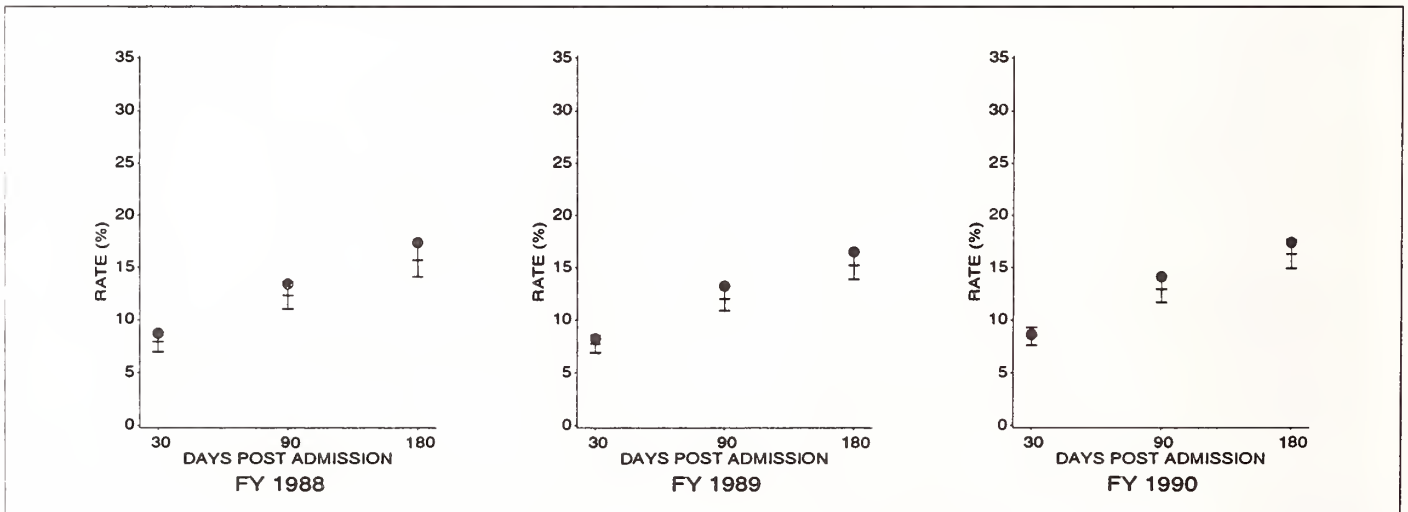
5959 PARK AVE  
MEMPHIS, TN 38138  
Medicare Provider Number: 440183

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	4762	8.6	8.4	0.4	14.1	12.9	0.6	17.4	16.3	0.7
CONDITIONS:										
Acute Myocardial Infarction.....	103	21.4	24.7	6.4	22.3	27.3	7.0	25.2	29.7	6.8
Congestive Heart Failure.....	214	19.6	14.1	3.0	32.7	22.3	4.4	38.8	28.3	4.6
Pneumonia/Influenza.....	130	11.5	14.6	5.0	19.2	20.0	3.8	22.3	23.7	3.9
Chronic Obstructive Pulmonary Disease.....	115	11.3	6.5	4.6	15.7	12.1	6.3	20.9	16.4	6.4
Transient Cerebral Ischemia.....	72	6.9	1.4	2.7	11.1	3.3	3.9	11.1	5.4	4.1
Stroke.....	173	19.1	19.4	3.1	28.3	26.0	4.8	34.7	29.7	5.9
Hip Fracture.....	104	4.8	6.2	2.6	7.7	10.9	3.4	12.5	14.3	3.5
Sepsis.....	87	27.6	28.1	5.2	36.8	35.3	6.0	41.4	39.8	7.0
PROCEDURES:										
Angioplasty.....	70	8.6	4.0	4.2	8.6	5.0	4.8	11.4	6.0	5.3
Coronary Artery Bypass Graft.....	116	12.1	5.7	4.9	13.8	7.9	5.1	14.7	8.9	5.4
Initial Pacemaker Insertion.....	70	1.4	3.0	2.8	4.3	5.9	4.4	7.1	8.5	5.5
Carotid Endarterectomy.....	22	0.0	1.4	-----	0.0	2.5	-----	0.0	3.5	-----
Hip Replacement/Reconstruction.....	55	1.8	3.6	3.2	1.8	6.6	4.5	3.6	9.0	5.0
Open Reduction of Hip Fracture.....	50	2.0	6.2	-----	4.0	11.3	-----	8.0	14.9	-----
Prostatectomy.....	185	1.1	0.8	1.2	4.3	2.0	1.5	7.0	3.4	2.1
Cholecystectomy.....	65	0.0	2.9	2.9	1.5	5.0	3.7	4.6	6.4	3.5
Hysterectomy.....	34	0.0	0.5	-----	2.9	1.2	-----	2.9	1.9	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST FRANCIS HOSPITAL

Medicare Provider Number: 440183

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	74.2 years	Cancer.....	8.8 %
Proportion female.....	57.7 %	Chronic cardiovascular disease.....	35.0 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.6 %
Referred by personal or HMO physician.....	47.4 %	Chronic renal disease.....	2.2 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	15.1 %
Admitted for elective procedure.....	42.5 %	Cerebrovascular degeneration.....	3.9 %
Admitted for emergency.....	53.8 %	Diabetes mellitus.....	6.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	73.9%	Hospital .....	10.2 Days
State .....	7.2%	State .....	8.1 Days
Outside State .....	18.9%	National .....	8.6 Days
Total .....	100.0%		

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	
Total Beds .....	830
Occupancy Rate .....	77.0 %
Ownership/Control.....	Church
Medicare Discharges .....	45.2 %
Case Mix Index (CMI) .....	1.3964
<b>STAFFING:</b>	
Total Number of Physicians.....	210
Percent of Physicians Board Certified Specialists .....	90.5 %
Medical Residents/Interns .....	0
Registered Nurses.....	382
Licensed Practical Nurses.....	90
<b>SPECIALTY SERVICES:</b>	
Burn Unit .....	No
Cardiac Intensive Care .....	No
Comprehensive Geriatric .....	No
Hospice Care .....	Yes
Medical/Surgical Intensive Care .....	Yes
Organ/Tissue Transplant .....	No
Other Intensive Care .....	No
Trauma Center .....	Yes
<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
Alcohol/Drug.....	Yes
Rehabilitation.....	Yes
Psychiatric .....	Yes
Medicare Swing Beds .....	Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPH HOSPITAL

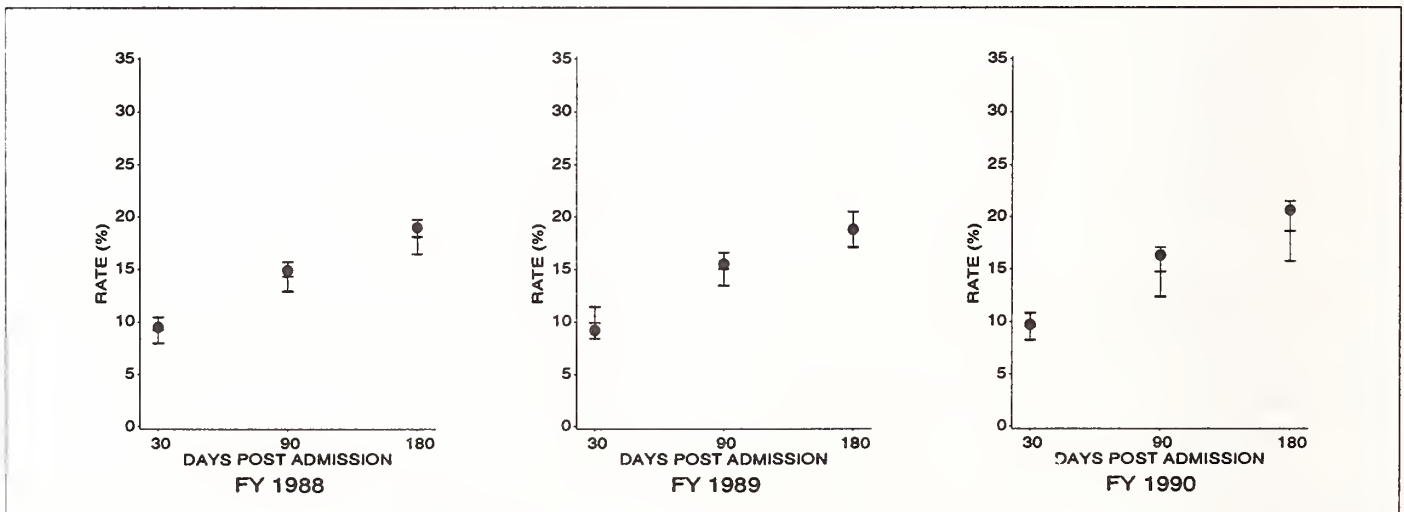
220 OVERTON AV  
MEMPHIS, TN 38101  
Medicare Provider Number: 440071

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	2667	9.7	9.5	0.7	16.3	14.7	1.2	20.6	18.6	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	56	37.5	30.8	10.0	41.1	34.1	10.4	44.6	36.9	10.2
Congestive Heart Failure.....	181	11.0	12.4	2.8	21.0	19.9	3.1	25.4	25.7	3.5
Pneumonia/Influenza.....	84	19.0	15.0	5.1	25.0	20.7	5.5	27.4	24.3	5.3
Chronic Obstructive Pulmonary Disease.....	23	8.7	7.3	----	8.7	12.7	----	17.4	16.4	----
Transient Cerebral Ischemia.....	41	9.8	1.9	----	12.2	4.3	----	14.6	6.8	----
Stroke.....	135	17.0	17.5	3.4	25.9	24.2	4.0	29.6	28.0	4.1
Hip Fracture.....	35	5.7	6.6	----	17.1	11.3	----	20.0	14.4	----
Sepsis.....	43	44.2	29.6	----	51.2	38.3	----	60.5	43.9	----
PROCEDURES:										
Angioplasty.....	9	0.0	1.8	----	11.1	2.8	----	11.1	3.7	----
Coronary Artery Bypass Graft.....	26	19.2	4.1	----	26.9	5.6	----	26.9	6.2	----
Initial Pacemaker Insertion.....	21	4.8	4.5	----	9.5	8.4	----	9.5	11.9	----
Carotid Endarterectomy.....	12	0.0	2.4	----	0.0	4.5	----	8.3	6.5	----
Hip Replacement/Reconstruction.....	20	0.0	4.3	----	5.0	8.2	----	15.0	11.3	----
Open Reduction of Hip Fracture.....	19	0.0	5.3	----	15.8	9.5	----	15.8	12.4	----
Prostatectomy.....	100	3.0	1.4	2.3	5.0	3.4	2.8	8.0	5.9	3.3
Cholecystectomy.....	38	0.0	2.8	----	10.5	5.2	----	10.5	6.8	----
Hysterectomy.....	16	0.0	1.3	----	6.3	3.2	----	6.3	5.3	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**ST JOSEPH HOSPITAL**  
Medicare Provider Number: 440071

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 74.8 years	Cancer..... 9.8 %
Proportion female..... 59.1 %	Chronic cardiovascular disease..... 36.7 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.7 %
Referred by personal or HMO physician..... 37.1 %	Chronic renal disease..... 3.9 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 19.7 %
Admitted for elective procedure..... 35.1 %	Cerebrovascular degeneration..... 5.1 %
Admitted for emergency..... 59.9 %	Diabetes mellitus..... 11.0 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 87.5%	Hospital ..... 10.1 Days
State ..... 2.3%	State ..... 8.1 Days
Outside State ..... 10.2%	National ..... 8.6 Days
Total ..... 100.0%	

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 322	Burn Unit ..... No
Occupancy Rate ..... 77.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Church	Comprehensive Geriatric ..... No
Medicare Discharges ..... 57.4 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.3179	Medical/Surgical Intensive Care ..... Yes
STAFFING:	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 270	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 78.9 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses..... 105	Alcohol/Drug..... Yes
Licensed Practical Nurses ..... 31	Rehabilitation..... Yes
	Psychiatric ..... Yes
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST MARYS MEDICAL CENTER

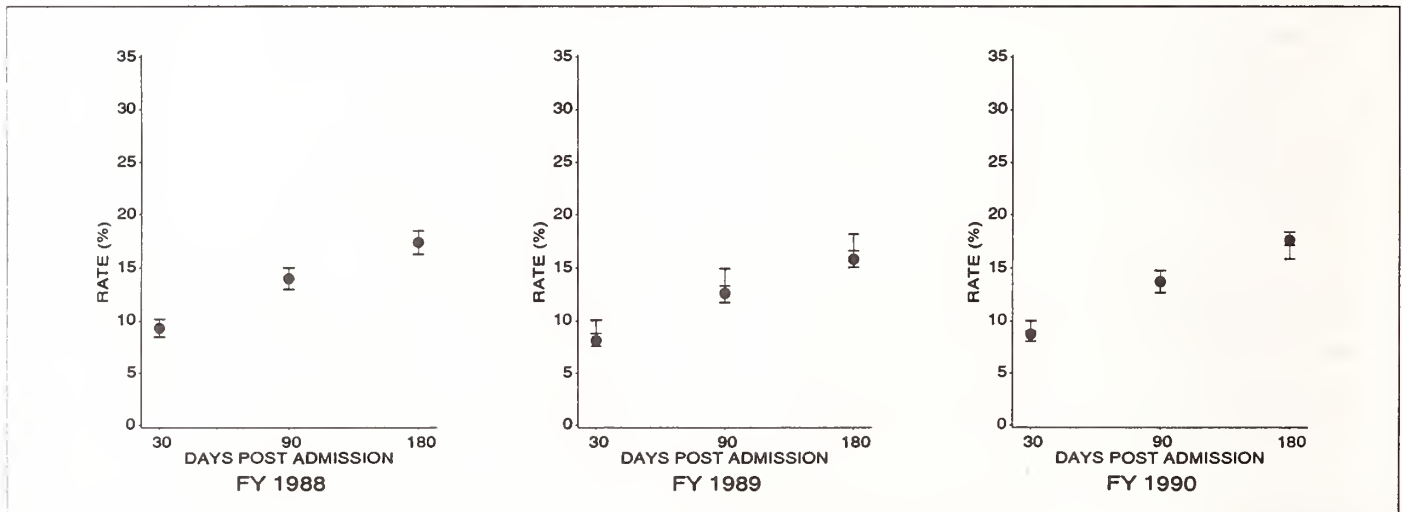
OAK HILL AVE  
KNOXVILLE, TN 37917  
Medicare Provider Number: 440120

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	4279	8.7	9.0	0.5	13.7	13.7	0.5	17.6	17.1	0.6
CONDITIONS:										
Acute Myocardial Infarction.....	158	20.9	25.1	3.9	26.6	28.1	3.9	29.7	30.8	4.2
Congestive Heart Failure.....	172	16.3	15.6	2.8	23.8	24.7	3.6	34.3	30.7	5.2
Pneumonia/Influenza.....	210	16.2	15.4	2.6	22.4	21.4	5.1	28.6	25.1	5.5
Chronic Obstructive Pulmonary Disease.....	44	2.3	6.9	-----	9.1	12.1	-----	15.9	16.3	-----
Transient Cerebral Ischemia.....	52	0.0	1.5	2.3	0.0	3.4	4.4	5.8	5.6	3.2
Stroke.....	177	14.1	19.4	5.3	22.0	25.0	5.1	27.1	28.4	5.0
Hip Fracture.....	142	7.0	6.0	2.9	9.2	10.9	3.3	11.3	14.2	3.5
Sepsis.....	60	21.7	21.7	5.3	41.7	29.3	9.4	43.3	33.7	7.8
PROCEDURES:										
Angioplasty.....	47	4.3	4.8	-----	8.5	6.1	-----	8.5	7.4	-----
Coronary Artery Bypass Graft.....	65	7.7	7.4	3.3	9.2	10.0	4.3	12.3	11.1	4.9
Initial Pacemaker Insertion.....	26	0.0	3.4	-----	11.5	6.4	-----	11.5	8.8	-----
Carotid Endarterectomy.....	26	7.7	2.0	-----	15.4	3.9	-----	19.2	5.7	-----
Hip Replacement/Reconstruction.....	127	4.7	3.1	2.4	5.5	5.8	2.6	5.5	7.7	3.0
Open Reduction of Hip Fracture.....	67	9.0	5.1	4.5	10.4	9.6	4.5	14.9	13.0	4.4
Prostatectomy.....	204	1.0	0.9	0.7	1.0	2.1	1.6	2.5	3.6	2.0
Cholecystectomy.....	101	2.0	2.3	2.2	3.0	4.2	3.4	5.9	5.7	4.5
Hysterectomy.....	40	0.0	0.7	-----	2.5	1.6	-----	2.5	2.5	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST MARYS MEDICAL CENTER

Medicare Provider Number: 440120

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 73.0 years	Cancer..... 8.5 %
Proportion female..... 56.6 %	Chronic cardiovascular disease..... 32.1 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.6 %
Referred by personal or HMO physician..... 52.8 %	Chronic renal disease..... 2.8 %
Transferred from skilled nursing facility..... 0.1 %	Chronic pulmonary disease..... 19.2 %
Admitted for elective procedure..... 22.8 %	Cerebrovascular degeneration..... 4.3 %
Admitted for emergency..... 67.9 %	Diabetes mellitus..... 9.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 63.5%	Hospital ..... 8.9 Days
State ..... 32.7%	State ..... 8.1 Days
Outside State ..... 3.8%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990</b>	
<b>PROFILE:</b> Total Beds ..... 470 Occupancy Rate ..... 77.0 % Ownership/Control..... Church Medicare Discharges ..... 31.5 % Case Mix Index (CMI) ..... 1.4354	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... Yes Hospice Care ..... Yes Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... Yes Other Intensive Care ..... No Trauma Center ..... Yes
<b>STAFFING:</b> Total Number of Physicians..... 190 Percent of Physicians Board Certified Specialists..... 81.1 % Medical Residents/Interns ..... 0 Registered Nurses..... 477 Licensed Practical Nurses ..... 143	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... Yes Rehabilitation..... Yes Psychiatric ..... Yes Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# ST THOMAS HOSPITAL

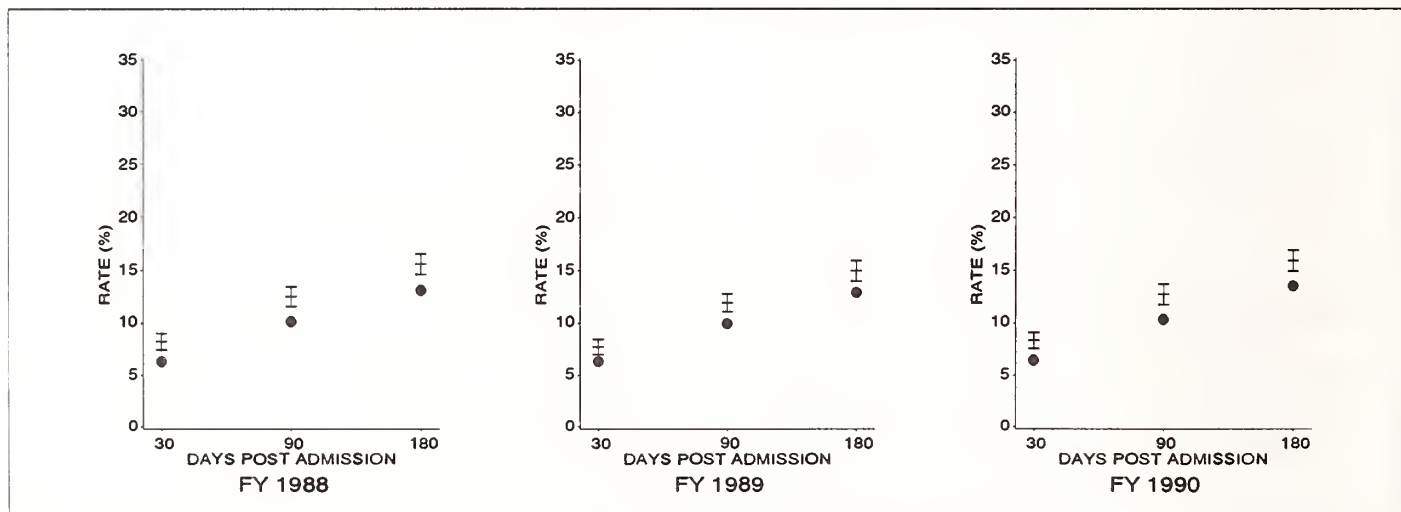
4220 HARDING RD  
NASHVILLE, TN 37205  
Medicare Provider Number: 440082

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	6381	6.4	8.3	0.4	10.3	12.7	0.5	13.5	15.9	0.5
CONDITIONS:										
Acute Myocardial Infarction.....	320	17.2	22.7	3.4	19.4	25.5	3.6	21.6	28.0	3.9
Congestive Heart Failure.....	262	12.6	13.7	3.1	19.8	22.3	4.5	24.4	28.4	3.8
Pneumonia/Influenza.....	160	8.1	14.1	3.4	13.8	19.9	3.6	15.0	23.5	4.1
Chronic Obstructive Pulmonary Disease.....	86	5.8	7.4	3.1	9.3	13.2	4.9	15.1	17.8	4.9
Transient Cerebral Ischemia.....	142	1.4	1.5	1.0	2.8	3.1	1.5	3.5	4.8	1.9
Stroke.....	202	13.9	18.4	3.8	21.8	24.4	3.4	26.2	27.9	3.4
Hip Fracture.....	73	2.7	6.9	3.6	4.1	11.5	4.9	11.0	14.7	4.4
Sepsis.....	52	19.2	22.3	7.5	26.9	29.5	9.9	28.8	34.1	9.7
PROCEDURES:										
Angioplasty.....	188	3.2	3.5	1.4	3.2	4.4	1.7	3.7	5.3	2.0
Coronary Artery Bypass Graft.....	383	6.3	5.5	1.7	8.9	7.9	1.4	10.7	9.0	1.7
Initial Pacemaker Insertion.....	62	1.6	2.5	2.7	3.2	5.3	4.2	6.5	8.1	5.4
Carotid Endarterectomy.....	104	1.0	1.5	1.3	3.8	2.9	1.9	5.8	4.3	2.4
Hip Replacement/Reconstruction.....	69	4.3	3.0	2.4	5.8	5.6	2.8	8.7	7.6	3.3
Open Reduction of Hip Fracture.....	40	0.0	6.6	-----	0.0	11.2	-----	10.0	14.4	-----
Prostatectomy.....	133	2.3	1.5	1.2	4.5	3.4	1.7	6.8	5.5	2.4
Cholecystectomy.....	150	2.0	2.9	1.5	4.0	5.4	2.1	4.7	7.1	2.7
Hysterectomy.....	24	0.0	1.2	-----	0.0	2.7	-----	0.0	4.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**ST THOMAS HOSPITAL**  
 Medicare Provider Number: 440082

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	71.8 years	Cancer.....	7.3 %
Proportion female.....	50.0 %	Chronic cardiovascular disease.....	43.0 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.7 %
Referred by personal or HMO physician.....	51.0 %	Chronic renal disease.....	3.4 %
Transferred from skilled nursing facility.....	0.3 %	Chronic pulmonary disease.....	14.2 %
Admitted for elective procedure.....	30.0 %	Cerebrovascular degeneration.....	2.2 %
Admitted for emergency.....	2.5 %	Diabetes mellitus.....	7.9 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	30.4%	Hospital .....	8.8 Days
State .....	58.7%	State .....	8.1 Days
Outside State .....	10.9%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990			
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>		
Total Beds .....	571	Burn Unit .....	No
Occupancy Rate .....	80.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	Church	Comprehensive Geriatric .....	No
Medicare Discharges .....	48.0 %	Hospice Care .....	No
Case Mix Index (CMI) .....	1.7672	Medical/Surgical Intensive Care .....	Yes
<b>STAFFING:</b>		Organ/Tissue Transplant .....	Yes
Total Number of Physicians.....	309	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists .....	86.7 %	Trauma Center .....	Yes
Medical Residents/Interns .....	0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
Registered Nurses.....	870	Alcohol/Drug .....	No
Licensed Practical Nurses .....	122	Rehabilitation.....	No
		Psychiatric .....	Yes
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# STONES RIVER HOSPITAL

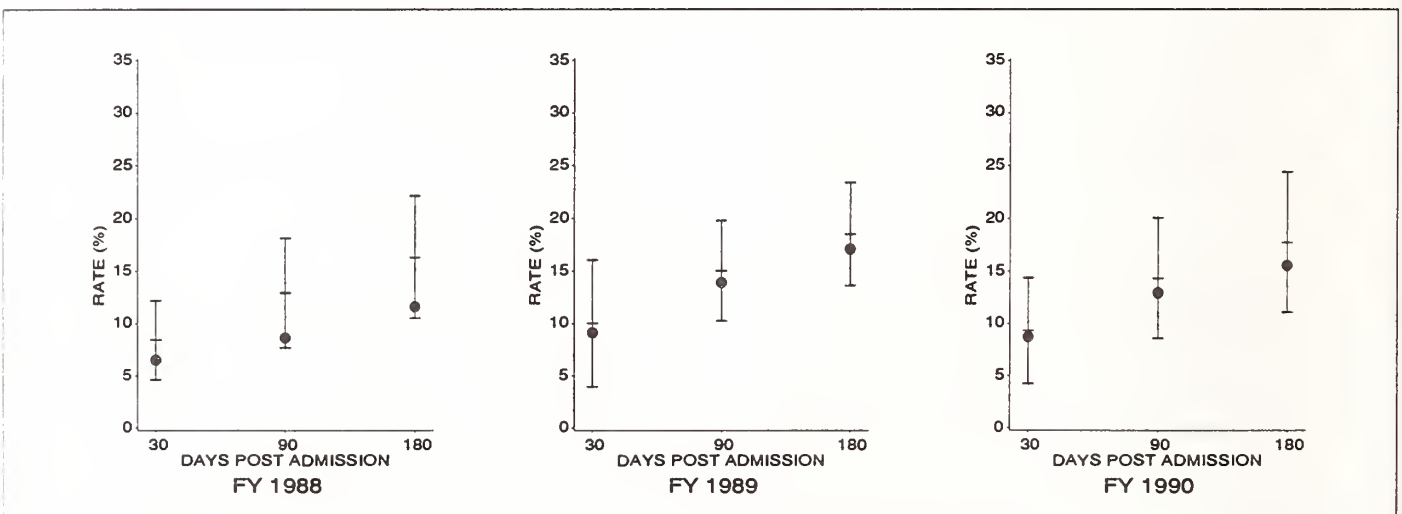
DOOLITTLE ROAD, BOX 458  
 WOODBURY, TN 37190  
 Medicare Provider Number: 440200

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	309	8.7	9.3	2.5	12.9	14.3	2.9	15.5	17.7	3.3
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	5	20.0	17.7	-----	60.0	20.0	-----	60.0	22.8	-----
Congestive Heart Failure.....	14	28.6	14.1	-----	28.6	22.7	-----	28.6	28.7	-----
Pneumonia/Influenza.....	72	11.1	12.1	8.2	15.3	16.7	5.6	22.2	19.4	6.2
Chronic Obstructive Pulmonary Disease.....	2	0.0	4.1	-----	0.0	8.4	-----	50.0	13.2	-----
Transient Cerebral Ischemia.....	1	0.0	4.1	-----	0.0	8.4	-----	0.0	12.4	-----
Stroke.....	18	11.1	13.5	-----	16.7	20.0	-----	16.7	23.6	-----
Hip Fracture.....	4	0.0	11.2	-----	0.0	18.4	-----	0.0	21.8	-----
Sepsis.....	0									
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	3	0.0	2.3	-----	0.0	4.8	-----	0.0	6.6	-----
Open Reduction of Hip Fracture.....	1	0.0	33.7	-----	0.0	55.1	-----	0.0	64.1	-----
Prostatectomy.....	1	0.0	0.4	-----	0.0	0.9	-----	0.0	1.7	-----
Cholecystectomy.....	1	0.0	0.1	-----	0.0	0.1	-----	0.0	0.2	-----
Hysterectomy.....	1	0.0	0.1	-----	0.0	0.1	-----	0.0	0.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**STONES RIVER HOSPITAL**  
 Medicare Provider Number: 440200

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.4 years	Cancer..... 3.9 %
Proportion female..... 61.5 %	Chronic cardiovascular disease..... 27.5 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.0 %
Referred by personal or HMO physician..... 91.3 %	Chronic renal disease..... 2.6 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 42.4 %
Admitted for elective procedure..... 2.9 %	Cerebrovascular degeneration..... 1.0 %
Admitted for emergency..... 72.2 %	Diabetes mellitus..... 7.4 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 66.8%	Hospital ..... 6.5 Days
State ..... 32.3%	State ..... 8.1 Days
Outside State ..... 0.9%	National ..... 8.6 Days
Total ..... 100.0%	

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>
Total Beds ..... 85	Burn Unit ..... No
Occupancy Rate ..... 20.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Private, For Profit	Comprehensive Geriatric ..... No
Medicare Discharges ..... 50.8 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.0781	Medical/Surgical Intensive Care..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 6	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists .....(Not Available)	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 12	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 11	Rehabilitation..... No
	Psychiatric..... No
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SUMNER MEMORIAL HOSPITAL

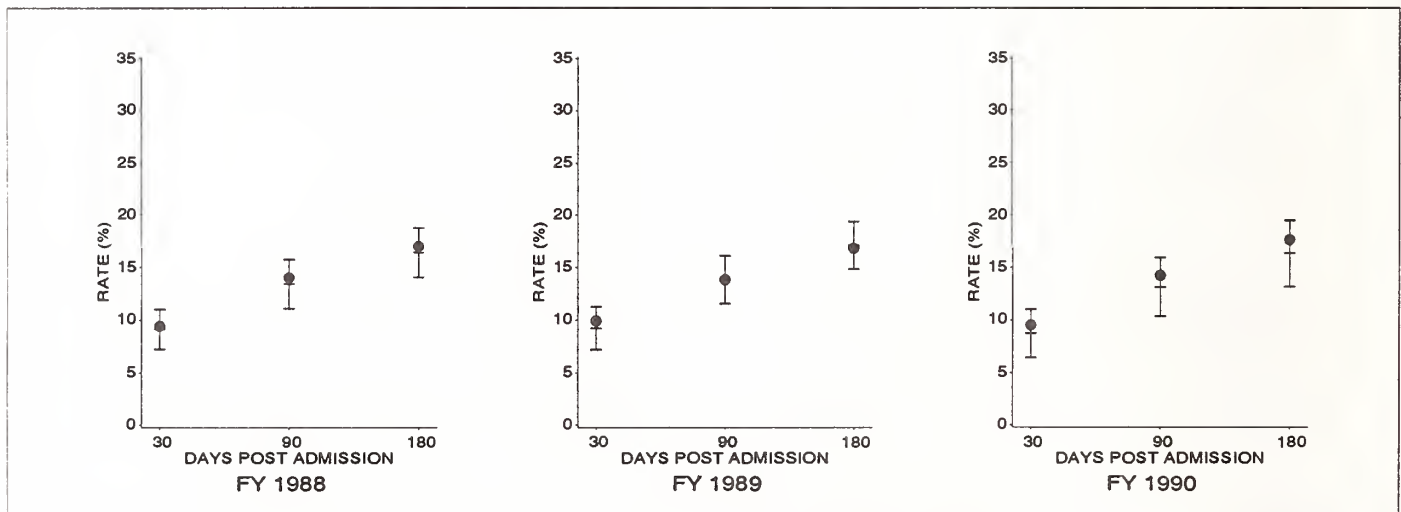
555 HARTSVILLE PIKE  
GALLATIN, TN 37066  
Medicare Provider Number: 440003

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1036	9.5	8.7	1.1	14.2	13.1	1.4	17.6	16.3	1.6
CONDITIONS:										
Acute Myocardial Infarction.....	35	31.4	24.6	-----	34.3	27.2	-----	42.9	29.6	-----
Congestive Heart Failure.....	56	12.5	15.3	8.8	17.9	24.3	9.4	25.0	30.7	10.1
Pneumonia/Influenza.....	97	13.4	15.0	6.4	20.6	20.7	8.2	23.7	24.1	6.2
Chronic Obstructive Pulmonary Disease.....	28	14.3	6.0	-----	25.0	11.2	-----	28.6	15.4	-----
Transient Cerebral Ischemia.....	10	0.0	1.3	-----	10.0	3.0	-----	10.0	4.9	-----
Stroke.....	34	17.6	20.5	-----	17.6	27.3	-----	26.5	31.3	-----
Hip Fracture.....	28	10.7	5.7	-----	14.3	10.0	-----	14.3	13.0	-----
Sepsis.....	14	0.0	16.5	-----	0.0	23.7	-----	0.0	28.0	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	1	0.0	1.3	-----	0.0	2.3	-----	0.0	3.0	-----
Hip Replacement/Reconstruction.....	22	9.1	4.7	-----	9.1	8.9	-----	13.6	12.1	-----
Open Reduction of Hip Fracture.....	7	0.0	4.6	-----	14.3	8.5	-----	14.3	11.1	-----
Prostatectomy.....	30	3.3	1.0	-----	10.0	2.3	-----	10.0	3.9	-----
Cholecystectomy.....	24	0.0	1.9	-----	0.0	3.4	-----	0.0	4.6	-----
Hysterectomy.....	9	0.0	0.4	-----	0.0	0.8	-----	11.1	1.4	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SUMNER MEMORIAL HOSPITAL

Medicare Provider Number: 440003

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.1 years	Cancer..... 5.0 %
Proportion female..... 58.6 %	Chronic cardiovascular disease..... 35.0 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.4 %
Referred by personal or HMO physician..... 33.8 %	Chronic renal disease..... 1.9 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 18.2 %
Admitted for elective procedure..... 33.6 %	Cerebrovascular degeneration..... 4.2 %
Admitted for emergency..... 65.0 %	Diabetes mellitus..... 4.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 83.9%	Hospital ..... 7.1 Days
State ..... 13.8%	State ..... 8.1 Days
Outside State ..... 2.3%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>
Total Beds ..... 126	Burn Unit ..... No
Occupancy Rate ..... 65.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Local Government	Comprehensive Geriatric ..... No
Medicare Discharges ..... 38.4 %	Hospice Care ..... Yes
Case Mix Index (CMI) ..... 1.1511	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 48	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists ..... 93.8 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses ..... 79	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 79	Rehabilitation..... Yes
	Psychiatric ..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SWEETWATER HOSPITAL

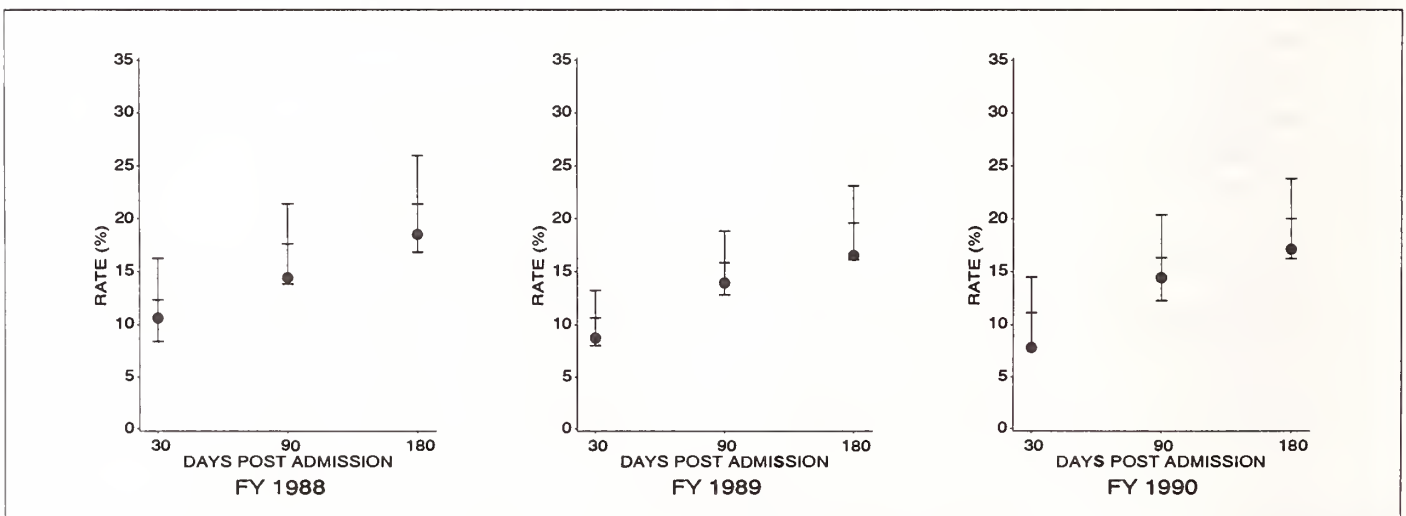
304 WRIGHT ST, BOX 312  
SWEETWATER, TN 37874  
Medicare Provider Number: 440084

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	578	7.8	11.1	1.7	14.4	16.3	2.0	17.1	20.0	1.9
CONDITIONS:										
Acute Myocardial Infarction.....	16	43.8	34.0	-----	50.0	37.1	-----	50.0	40.7	-----
Congestive Heart Failure.....	19	10.5	13.4	-----	26.3	21.9	-----	26.3	28.3	-----
Pneumonia/Influenza.....	60	11.7	18.0	6.4	16.7	24.8	8.4	16.7	28.8	9.7
Chronic Obstructive Pulmonary Disease.....	20	0.0	5.9	-----	5.0	11.1	-----	5.0	15.2	-----
Transient Cerebral Ischemia.....	12	0.0	3.6	-----	8.3	8.0	-----	8.3	12.3	-----
Stroke.....	23	8.7	17.7	-----	17.4	24.1	-----	17.4	28.2	-----
Hip Fracture.....	0									
Sepsis.....	9	11.1	29.0	-----	22.2	35.0	-----	22.2	40.1	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	9	0.0	1.6	-----	0.0	2.9	-----	0.0	3.8	-----
Hysterectomy.....	3	0.0	0.1	-----	0.0	0.2	-----	0.0	0.3	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SWEETWATER HOSPITAL

Medicare Provider Number: 440084

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.1 years	Cancer..... 4.8 %
Proportion female..... 57.3 %	Chronic cardiovascular disease..... 32.2 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.9 %
Referred by personal or HMO physician..... 21.1 %	Chronic renal disease..... 3.5 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 12.5 %
Admitted for elective procedure..... 1.2 %	Cerebrovascular degeneration..... 10.2 %
Admitted for emergency..... 27.3 %	Diabetes mellitus..... 9.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 79.1%	Hospital ..... 6.5 Days
State ..... 19.6%	State ..... 8.1 Days
Outside State ..... 1.3%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 59 Occupancy Rate ..... 49.0 % Ownership/Control..... Private, Non-Profit Medicare Discharges ..... 45.7 % Case Mix Index (CMI) ..... 1.0731	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 16 Percent of Physicians Board Certified Specialists .....(Not Available) Medical Residents/Interns ..... 0 Registered Nurses..... 25 Licensed Practical Nurses ..... 32	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# SYCAMORE SHOALS HOSPITAL

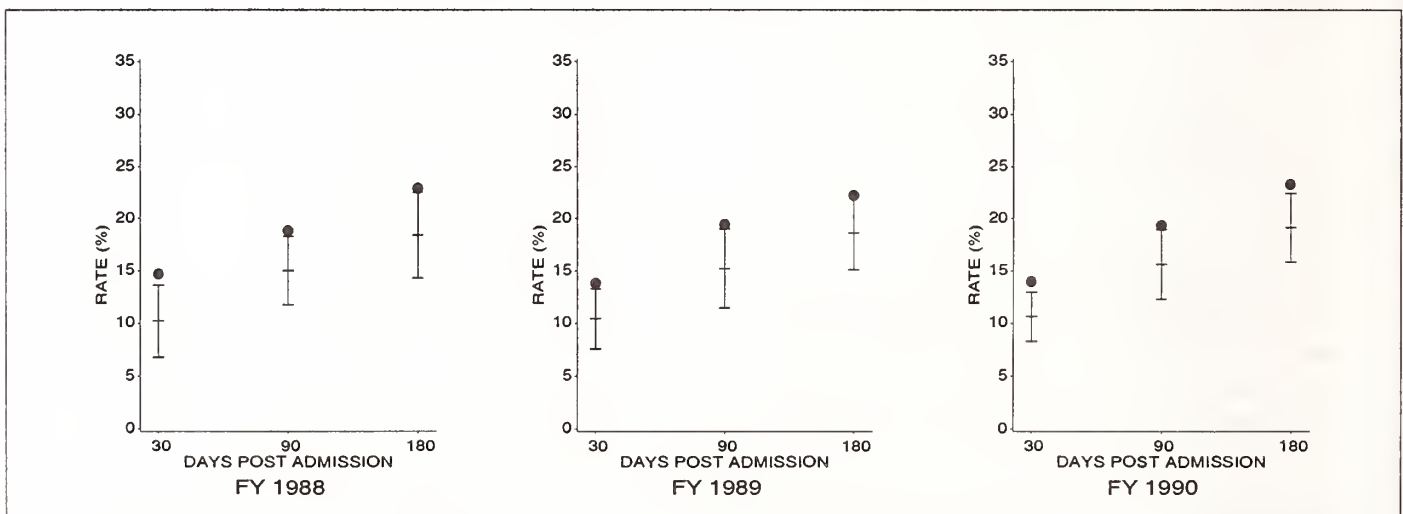
1501 WEST ELK AVENUE  
ELIZABETHTON, TN 37643  
Medicare Provider Number: 440018

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	729	14.0	10.6	1.2	19.3	15.6	1.7	23.3	19.1	1.6
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	32	37.5	24.7	-----	46.9	27.2	-----	46.9	29.5	-----
Congestive Heart Failure.....	32	9.4	12.9	-----	31.3	20.6	-----	34.4	26.3	-----
Pneumonia/Influenza.....	28	21.4	11.9	-----	21.4	16.6	-----	21.4	19.8	-----
Chronic Obstructive Pulmonary Disease.....	18	5.6	7.1	-----	11.1	12.4	-----	11.1	16.2	-----
Transient Cerebral Ischemia.....	11	0.0	2.3	-----	0.0	5.2	-----	0.0	8.1	-----
Stroke.....	29	27.6	19.3	-----	34.5	25.1	-----	41.4	28.8	-----
Hip Fracture.....	22	13.6	6.2	-----	18.2	11.1	-----	27.3	14.5	-----
Sepsis.....	6	66.7	19.6	-----	66.7	28.1	-----	66.7	32.5	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	10	20.0	3.7	-----	20.0	6.5	-----	30.0	8.6	-----
Open Reduction of Hip Fracture.....	12	8.3	5.7	-----	16.7	10.8	-----	33.3	14.4	-----
Prostatectomy.....	10	0.0	1.1	-----	0.0	2.4	-----	0.0	4.0	-----
Cholecystectomy.....	22	4.5	2.2	-----	4.5	3.9	-----	4.5	4.9	-----
Hysterectomy.....	5	0.0	0.3	-----	0.0	0.8	-----	0.0	1.4	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SYCAMORE SHOALS HOSPITAL

Medicare Provider Number: 440018

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.9 years  
 Proportion female..... 61.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician.... 45.0 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 0.0 %  
 Admitted for emergency..... 14.7 %

### COMORBIDITIES:

Cancer..... 5.2 %  
 Chronic cardiovascular disease..... 32.8 %  
 Chronic liver disease..... 0.4 %  
 Chronic renal disease..... 1.1 %  
 Chronic pulmonary disease..... 13.9 %  
 Cerebrovascular degeneration..... 6.6 %  
 Diabetes mellitus..... 8.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 81.5%  
 State ..... 16.8%  
 Outside State ..... 1.7%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.0 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 100  
 Occupancy Rate ..... 40.0 %  
 Ownership/Control..... Private, For Profit  
 Medicare Discharges ..... 36.1 %  
 Case Mix Index (CMI) ..... 1.2549

### STAFFING:

Total Number of Physicians..... 32  
 Percent of Physicians Board  
 Certified Specialists..... 65.6 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 64  
 Licensed Practical Nurses ..... 29

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... No  
 Psychiatric ..... No  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# TAKOMA ADVENTIST HOSPITAL

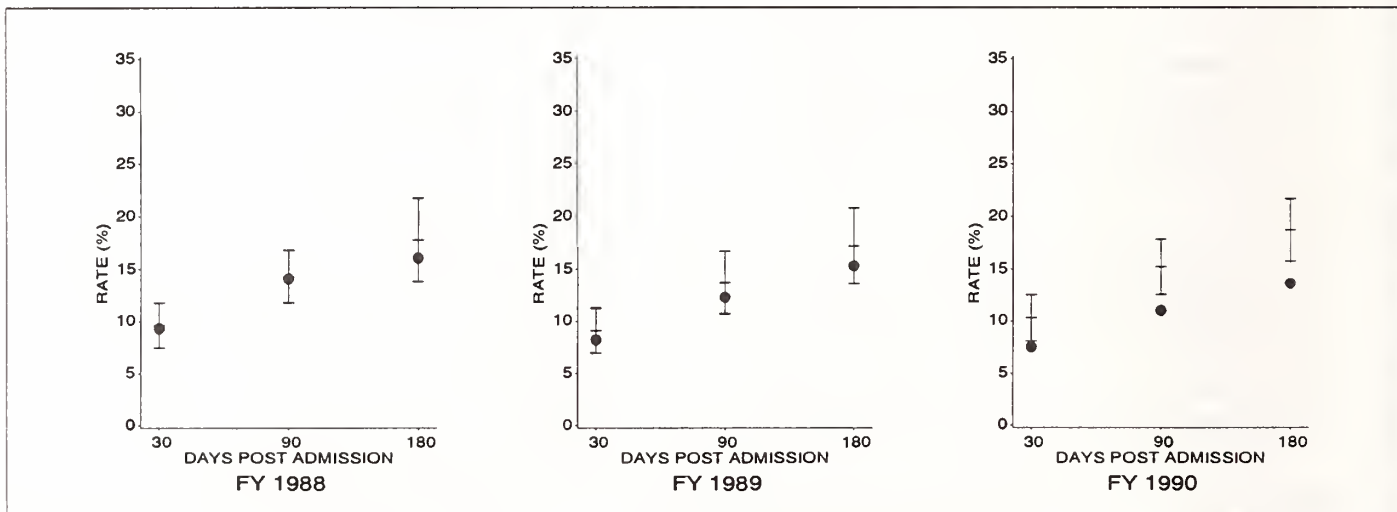
401 TAKOMA AV  
GREENEVILLE, TN 37743  
Medicare Provider Number: 440050

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	830	7.5	10.3	1.1	11.0	15.2	1.3	13.6	18.7	1.5
CONDITIONS:										
Acute Myocardial Infarction.....	24	20.8	25.4	-----	25.0	27.6	-----	25.0	29.9	-----
Congestive Heart Failure.....	29	6.9	13.2	-----	6.9	21.2	-----	13.8	27.1	-----
Pneumonia/Influenza.....	76	7.9	15.7	6.4	13.2	21.3	7.0	15.8	24.8	7.8
Chronic Obstructive Pulmonary Disease.....	13	0.0	4.7	-----	7.7	9.0	-----	7.7	12.8	-----
Transient Cerebral Ischemia.....	8	0.0	1.2	-----	12.5	2.9	-----	12.5	4.7	-----
Stroke.....	31	12.9	20.4	-----	12.9	26.0	-----	19.4	29.7	-----
Hip Fracture.....	25	0.0	5.5	-----	4.0	10.3	-----	4.0	13.7	-----
Sepsis.....	26	19.2	23.8	-----	19.2	33.6	-----	26.9	38.5	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	3	0.0	6.2	-----	0.0	11.5	-----	0.0	16.6	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	13	0.0	4.6	-----	7.7	8.9	-----	15.4	11.9	-----
Open Reduction of Hip Fracture.....	11	0.0	6.8	-----	0.0	13.1	-----	0.0	17.5	-----
Prostatectomy.....	11	0.0	1.6	-----	0.0	3.5	-----	0.0	5.8	-----
Cholecystectomy.....	9	11.1	8.6	-----	11.1	16.1	-----	22.2	20.2	-----
Hysterectomy.....	5	0.0	0.8	-----	0.0	1.7	-----	0.0	2.7	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# TAKOMA ADVENTIST HOSPITAL

Medicare Provider Number: 440050

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 72.9 years	Cancer..... 4.5 %
Proportion female..... 59.9 %	Chronic cardiovascular disease..... 39.9 %
ADMISSION SOURCES/TYPES:	Chronic liver disease..... 0.7 %
Referred by personal or HMO physician..... 40.4 %	Chronic renal disease..... 3.9 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 17.7 %
Admitted for elective procedure..... 0.6 %	Cerebrovascular degeneration..... 5.7 %
Admitted for emergency..... 71.6 %	Diabetes mellitus..... 13.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 74.6%	Hospital ..... 6.2 Days
State ..... 21.6%	State ..... 8.1 Days
Outside State ..... 3.8%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 107	Burn Unit ..... No
Occupancy Rate ..... 49.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... Church	Comprehensive Geriatric ..... No
Medicare Discharges ..... 42.4 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.1183	Medical/Surgical Intensive Care ..... Yes
STAFFING:	Organ/Tissue Transplant ..... No
Total Number of Physicians..... 57	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 59.6 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses..... 33	Alcohol/Drug ..... Yes
Licensed Practical Nurses..... 23	Rehabilitation..... No
	Psychiatric ..... Yes
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# TENNESSEE CHRISTIAN MEDICAL CENTER

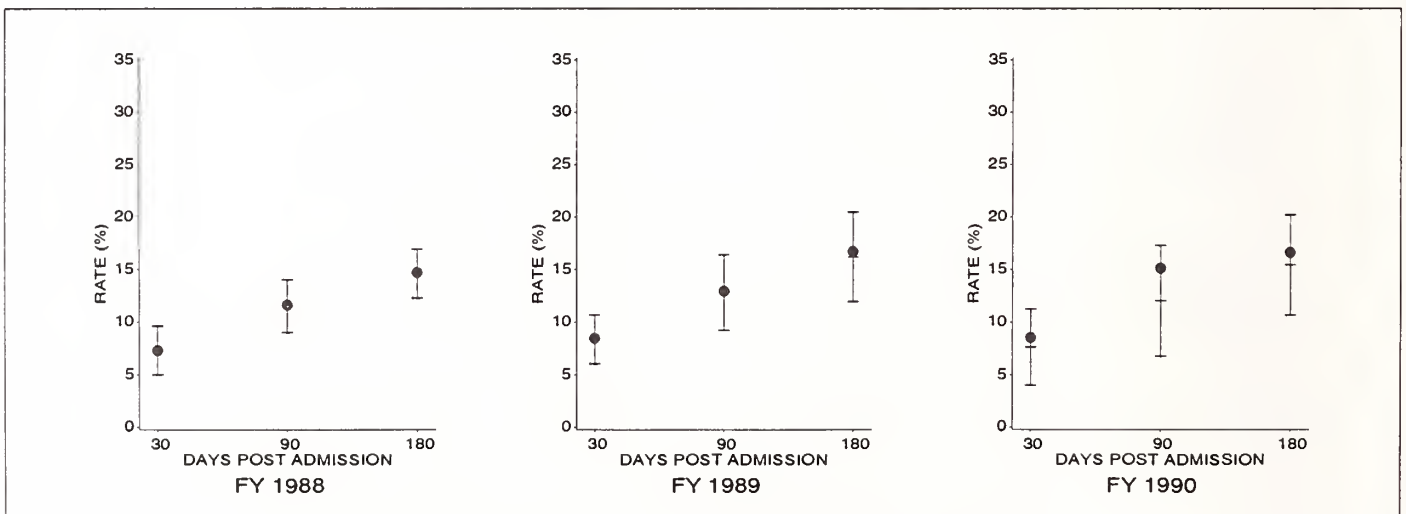
500 HOSPITAL DR  
MADISON, TN 37115  
Medicare Provider Number: 440135

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	749	8.5	7.6	1.8	15.1	12.0	2.6	16.6	15.4	2.4
CONDITIONS:										
Acute Myocardial Infarction.....	10	50.0	29.3	-----	50.0	31.6	-----	50.0	34.0	-----
Congestive Heart Failure.....	45	8.9	11.9	-----	17.8	19.4	-----	22.2	25.8	-----
Pneumonia/Influenza.....	43	9.3	12.9	-----	11.6	18.0	-----	11.6	21.3	-----
Chronic Obstructive Pulmonary Disease.....	9	11.1	3.8	-----	22.2	6.7	-----	22.2	9.7	-----
Transient Cerebral Ischemia.....	12	0.0	1.5	-----	0.0	3.6	-----	0.0	5.9	-----
Stroke.....	31	22.6	14.0	-----	35.5	19.8	-----	35.5	23.2	-----
Hip Fracture.....	17	5.9	7.4	-----	17.6	13.9	-----	17.6	18.6	-----
Sepsis.....	15	26.7	19.7	-----	40.0	28.0	-----	53.3	33.3	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	2.2	-----	0.0	4.2	-----	0.0	6.6	-----
Carotid Endarterectomy.....	3	0.0	0.5	-----	0.0	1.1	-----	0.0	1.8	-----
Hip Replacement/Reconstruction.....	10	10.0	3.6	-----	20.0	6.7	-----	20.0	9.5	-----
Open Reduction of Hip Fracture.....	9	0.0	7.5	-----	0.0	14.5	-----	0.0	19.4	-----
Prostatectomy.....	15	6.7	1.4	-----	6.7	3.4	-----	13.3	5.8	-----
Cholecystectomy.....	16	6.3	1.2	-----	12.5	2.1	-----	12.5	2.9	-----
Hysterectomy.....	4	0.0	0.8	-----	0.0	1.6	-----	0.0	2.5	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# TENNESSEE CHRISTIAN MEDICAL CENTER

Medicare Provider Number: 440135

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.4 years  
 Proportion female..... 64.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.2 %  
 Transferred from skilled nursing facility..... 6.5 %  
 Admitted for elective procedure..... 52.6 %  
 Admitted for emergency..... 19.9 %

### COMORBIDITIES:

Cancer..... 4.7 %  
 Chronic cardiovascular disease..... 28.3 %  
 Chronic liver disease..... 1.2 %  
 Chronic renal disease..... 4.7 %  
 Chronic pulmonary disease..... 15.5 %  
 Cerebrovascular degeneration..... 5.6 %  
 Diabetes mellitus..... 11.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 73.3%  
 State ..... 23.5%  
 Outside State ..... 3.2%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.6 Days  
 State ..... 8.1 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 232  
 Occupancy Rate ..... 58.0 %  
 Ownership/Control..... Church  
 Medicare Discharges ..... 46.1 %  
 Case Mix Index (CMI) ..... 1.2083

### STAFFING:

Total Number of Physicians..... 82  
 Percent of Physicians Board  
 Certified Specialists ..... 65.9 %  
 Medical Residents/Interns ..... 0  
 Registered Nurses..... 134  
 Licensed Practical Nurses ..... 40

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... No  
 Comprehensive Geriatric ..... No  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... No  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
 Rehabilitation..... Yes  
 Psychiatric ..... Yes  
 Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# THREE RIVERS COMMUNITY HOSPITAL

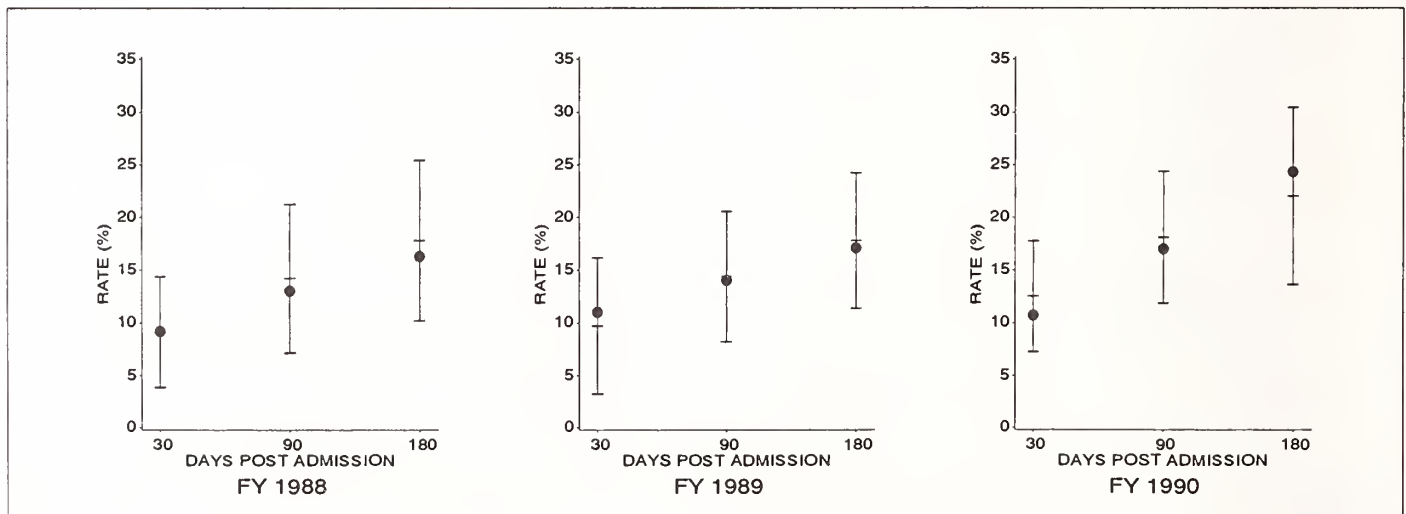
S CHURCH ST  
WAVERLY, TN 37185  
Medicare Provider Number: 440100

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	206	10.7	12.5	2.6	17.0	18.1	3.1	24.3	22.0	4.2
CONDITIONS:										
Acute Myocardial Infarction.....	10	0.0	31.1	-----	10.0	35.4	-----	30.0	38.6	-----
Congestive Heart Failure.....	7	28.6	19.9	-----	57.1	31.6	-----	71.4	39.3	-----
Pneumonia/Influenza.....	25	12.0	14.4	-----	16.0	20.4	-----	24.0	24.1	-----
Chronic Obstructive Pulmonary Disease.....	5	20.0	12.8	-----	20.0	20.3	-----	40.0	24.7	-----
Transient Cerebral Ischemia.....	2	0.0	5.8	-----	0.0	12.3	-----	50.0	19.1	-----
Stroke.....	5	20.0	22.0	-----	20.0	29.5	-----	20.0	34.1	-----
Hip Fracture.....	0									
Sepsis.....	8	12.5	29.8	-----	12.5	38.4	-----	25.0	43.6	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	1	0.0	2.1	-----	0.0	3.3	-----	0.0	4.7	-----
Hysterectomy.....	2	0.0	0.1	-----	0.0	0.1	-----	0.0	0.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# THREE RIVERS COMMUNITY HOSPITAL

Medicare Provider Number: 440100

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 76.0 years	Cancer..... 4.9 %
Proportion female..... 58.7 %	Chronic cardiovascular disease..... 36.9 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.0 %
Referred by personal or HMO physician..... 20.9 %	Chronic renal disease..... 2.4 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 18.0 %
Admitted for elective procedure..... 1.5 %	Cerebrovascular degeneration..... 2.4 %
Admitted for emergency..... 62.1 %	Diabetes mellitus..... 9.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 87.2%	Hospital ..... 5.5 Days
State ..... 11.0%	State ..... 8.1 Days
Outside State ..... 1.8%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

PROFILE:	SPECIALTY SERVICES:
Total Beds ..... 52	Burn Unit ..... No
Ownership/Control..... Private, For Profit	Coronary Care Unit ..... No
Case Mix Index (CMI) ..... 1.0877	Hospice Care ..... No
<b>STAFFING:</b>	Intensive Care Unit ..... Yes
Medical Residents/Interns ..... 0	Organ Transplant ..... No
Registered Nurses..... 14	Trauma Center ..... No
Licensed Practical Nurses ..... 10	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
	Alcohol/Drug..... No
	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

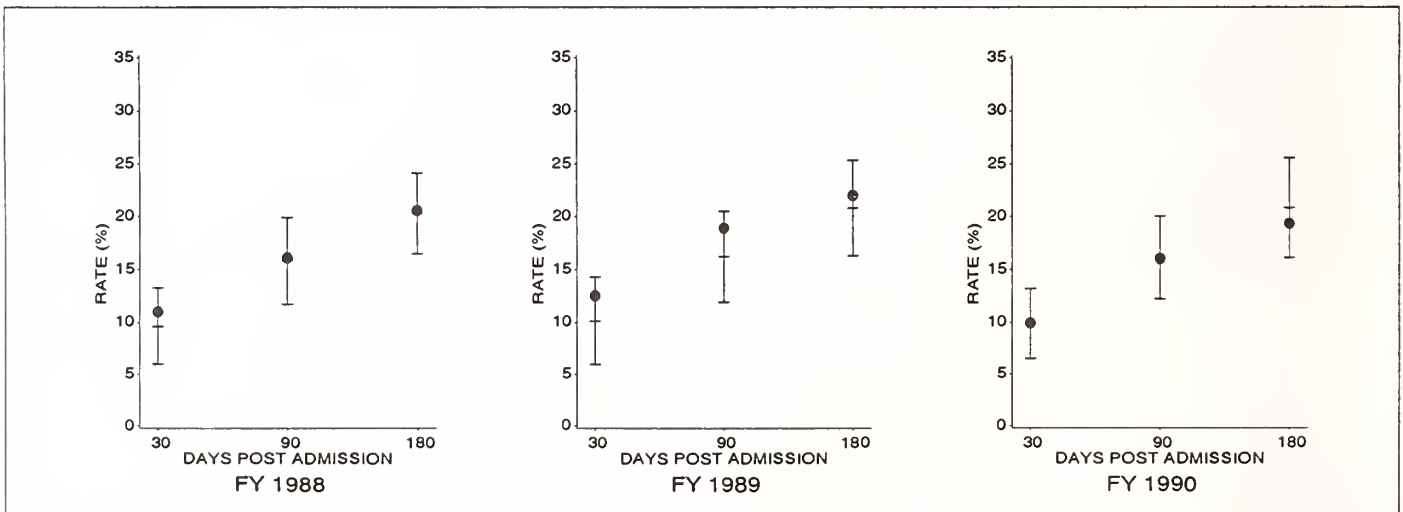
**TRINITY HOSPITAL**  
 PO BOX 489  
 ERIN, TN 37061  
 Medicare Provider Number: 440149

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	393	9.9	9.8	1.7	16.0	16.1	2.0	19.3	20.8	2.4
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	10	40.0	27.2	-----	40.0	34.2	-----	50.0	39.3	-----
Congestive Heart Failure.....	34	14.7	13.2	-----	26.5	21.6	-----	32.4	28.0	-----
Pneumonia/Influenza.....	26	3.8	11.1	-----	7.7	16.8	-----	15.4	21.4	-----
Chronic Obstructive Pulmonary Disease.....	21	0.0	3.1	-----	4.8	6.6	-----	4.8	9.8	-----
Transient Cerebral Ischemia.....	14	0.0	1.5	-----	0.0	3.6	-----	14.3	6.3	-----
Stroke.....	15	20.0	16.7	-----	26.7	26.1	-----	26.7	31.4	-----
Hip Fracture.....	0									
Sepsis.....	16	18.8	21.7	-----	18.8	29.8	-----	18.8	35.5	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	5	0.0	1.7	-----	0.0	3.5	-----	0.0	5.4	-----
Hysterectomy.....	2	0.0	3.3	-----	0.0	7.8	-----	0.0	12.1	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**TRINITY HOSPITAL**  
 Medicare Provider Number: 440149

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	76.9 years	Cancer.....	5.1 %
Proportion female.....	57.3 %	Chronic cardiovascular disease.....	26.7 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.5 %
Referred by personal or HMO physician.....	44.3 %	Chronic renal disease.....	3.1 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	25.2 %
Admitted for elective procedure.....	44.8 %	Cerebrovascular degeneration.....	16.3 %
Admitted for emergency.....	0.0 %	Diabetes mellitus.....	6.4 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	62.8%	Hospital .....	6.3 Days
State .....	36.3%	State .....	8.1 Days
Outside State .....	0.9%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds .....	37	Burn Unit .....	No
Occupancy Rate .....	45.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	Private, For Profit	Comprehensive Geriatric .....	No
Medicare Discharges .....	64.3 %	Hospice Care .....	No
Case Mix Index (CMI) .....	1.1416	Medical/Surgical Intensive Care.....	No
STAFFING:		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	17	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists.....	76.5 %	Trauma Center .....	No
Medical Residents/Interns .....	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses.....	11	Alcohol/Drug.....	No
Licensed Practical Nurses.....	7	Rehabilitation.....	No
		Psychiatric.....	No
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# UNICOI COUNTY MEMORIAL HOSPITAL

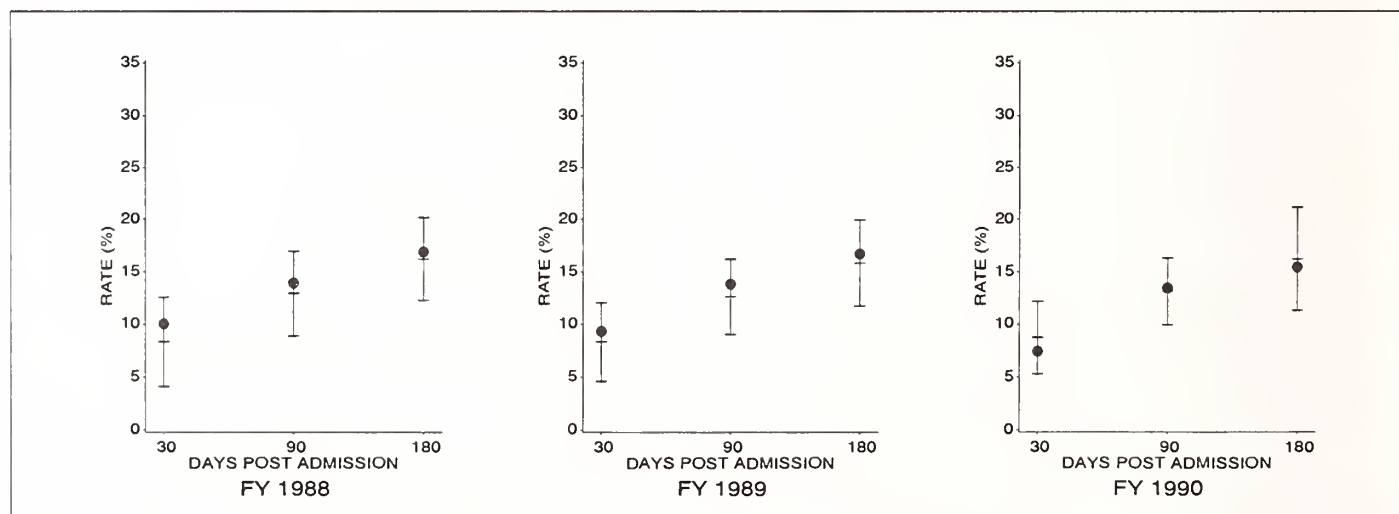
GREENWAY CIRCLE  
ERWIN, TN 37650  
Medicare Provider Number: 440001

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	461	7.4	8.7	1.7	13.4	13.1	1.6	15.4	16.2	2.5
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	13	23.1	33.4	-----	30.8	36.6	-----	30.8	39.9	-----
Congestive Heart Failure.....	18	5.6	13.9	-----	33.3	22.1	-----	33.3	28.1	-----
Pneumonia/Influenza.....	46	6.5	11.7	-----	13.0	16.2	-----	15.2	19.0	-----
Chronic Obstructive Pulmonary Disease.....	6	0.0	2.4	-----	0.0	5.0	-----	0.0	7.5	-----
Transient Cerebral Ischemia.....	7	0.0	1.3	-----	0.0	3.2	-----	14.3	5.7	-----
Stroke.....	9	33.3	25.2	-----	55.6	32.6	-----	55.6	37.1	-----
Hip Fracture.....	19	0.0	5.4	-----	15.8	9.9	-----	15.8	13.1	-----
Sepsis.....	5	40.0	21.1	-----	40.0	27.7	-----	40.0	31.2	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	4.5	-----	25.0	9.0	-----	25.0	12.1	-----
Open Reduction of Hip Fracture.....	9	0.0	5.0	-----	22.2	9.0	-----	22.2	11.8	-----
Prostatectomy.....	11	0.0	1.2	-----	9.1	2.9	-----	18.2	5.0	-----
Cholecystectomy.....	12	0.0	2.8	-----	0.0	5.3	-----	0.0	7.5	-----
Hysterectomy.....	1	0.0	0.1	-----	0.0	0.1	-----	0.0	0.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# UNICOI COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 440001

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

<p><b>DEMOGRAPHICS:</b></p> <p>Average age at admission..... 75.2 years</p> <p>Proportion female..... 60.7 %</p> <p><b>ADMISSION SOURCES/TYPES:</b></p> <p>Referred by personal or HMO physician..... 47.7 %</p> <p>Transferred from skilled nursing facility..... 0.0 %</p> <p>Admitted for elective procedure..... 0.0 %</p> <p>Admitted for emergency..... 51.8 %</p>	<p><b>COMORBIDITIES:</b></p> <p>Cancer..... 4.1 %</p> <p>Chronic cardiovascular disease..... 18.2 %</p> <p>Chronic liver disease..... 0.2 %</p> <p>Chronic renal disease..... 1.7 %</p> <p>Chronic pulmonary disease..... 8.9 %</p> <p>Cerebrovascular degeneration..... 3.0 %</p> <p>Diabetes mellitus..... 4.8 %</p>
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### ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

<p><b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b></p> <p>County/City ..... 88.2%</p> <p>State ..... 7.5%</p> <p>Outside State ..... 4.3%</p> <p>Total ..... 100.0%</p>	<p><b>MEDICARE AVERAGE LENGTH OF STAY:</b></p> <p>Hospital ..... 7.7 Days</p> <p>State ..... 8.1 Days</p> <p>National ..... 8.6 Days</p>
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### HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<p><b>PROFILE:</b></p> <p>Total Beds ..... 94</p> <p>Occupancy Rate ..... 74.0 %</p> <p>Ownership/Control..... District/Authority</p> <p>Medicare Discharges ..... 52.9 %</p> <p>Case Mix Index (CMI) ..... 1.0144</p> <p><b>STAFFING:</b></p> <p>Total Number of Physicians..... 24</p> <p>Percent of Physicians Board Certified Specialists ..... 79.2 %</p> <p>Medical Residents/Interns ..... 0</p> <p>Registered Nurses..... 20</p> <p>Licensed Practical Nurses ..... 17</p>	<p><b>SPECIALTY SERVICES:</b></p> <p>Burn Unit ..... No</p> <p>Cardiac Intensive Care ..... No</p> <p>Comprehensive Geriatric ..... No</p> <p>Hospice Care ..... No</p> <p>Medical/Surgical Intensive Care ..... No</p> <p>Organ/Tissue Transplant ..... No</p> <p>Other Intensive Care ..... No</p> <p>Trauma Center ..... No</p> <p><b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b></p> <p>Alcohol/Drug ..... No</p> <p>Rehabilitation..... No</p> <p>Psychiatric ..... No</p> <p>Medicare Swing Beds ..... Yes</p>
** Except for CMI	

\* Not used in calculating mortality rates

# UNIVERSITY MEDICAL CENTER HOSPITAL

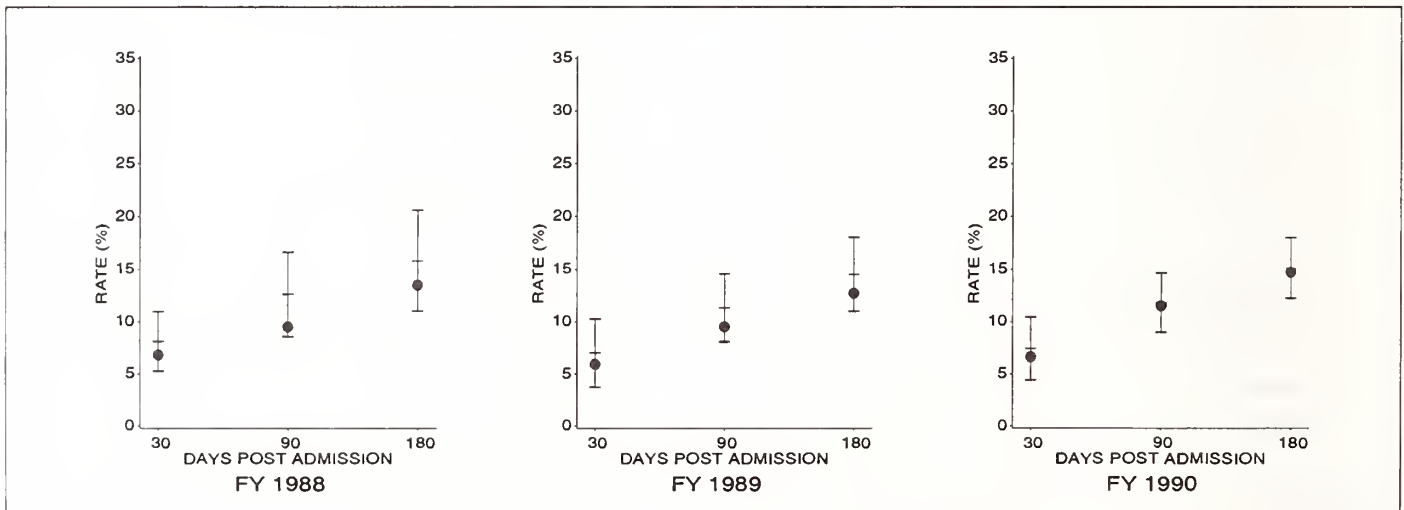
1411 BADDOUR PARKWAY  
LEBANON, TN 37087  
Medicare Provider Number: 440193

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	641	6.6	7.4	1.5	11.5	11.8	1.4	14.7	15.1	1.4
CONDITIONS:										
Acute Myocardial Infarction.....	12	66.7	25.1	-----	66.7	28.8	-----	66.7	31.3	-----
Congestive Heart Failure.....	34	8.8	14.2	-----	11.8	22.9	-----	17.6	29.4	-----
Pneumonia/Influenza.....	30	10.0	11.3	-----	10.0	16.0	-----	13.3	19.3	-----
Chronic Obstructive Pulmonary Disease.....	16	6.3	7.4	-----	6.3	13.1	-----	18.8	17.2	-----
Transient Cerebral Ischemia.....	10	0.0	1.1	-----	0.0	2.4	-----	0.0	4.0	-----
Stroke.....	18	22.2	15.1	-----	22.2	22.5	-----	22.2	26.8	-----
Hip Fracture.....	11	0.0	5.5	-----	36.4	9.7	-----	36.4	13.2	-----
Sepsis.....	5	20.0	18.2	-----	20.0	24.1	-----	20.0	28.8	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	2	0.0	1.9	-----	0.0	3.9	-----	0.0	6.3	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	8	0.0	3.7	-----	37.5	7.5	-----	50.0	10.8	-----
Open Reduction of Hip Fracture.....	5	0.0	6.1	-----	20.0	10.9	-----	20.0	15.0	-----
Prostatectomy.....	6	0.0	0.9	-----	16.7	2.4	-----	16.7	4.2	-----
Cholecystectomy.....	8	25.0	6.7	-----	25.0	9.8	-----	25.0	11.4	-----
Hysterectomy.....	10	0.0	0.1	-----	0.0	0.3	-----	0.0	0.5	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# UNIVERSITY MEDICAL CENTER HOSPITAL

Medicare Provider Number: 440193

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

<p><b>DEMOGRAPHICS:</b></p> <p>Average age at admission..... 72.1 years</p> <p>Proportion female..... 61.3 %</p> <p><b>ADMISSION SOURCES/TYPES:</b></p> <p>Referred by personal or HMO physician..... 45.7 %</p> <p>Transferred from skilled nursing facility..... 0.9 %</p> <p>Admitted for elective procedure..... 12.2 %</p> <p>Admitted for emergency..... 4.8 %</p>	<p><b>COMORBIDITIES:</b></p> <p>Cancer..... 4.4 %</p> <p>Chronic cardiovascular disease..... 28.7 %</p> <p>Chronic liver disease..... 0.9 %</p> <p>Chronic renal disease..... 1.7 %</p> <p>Chronic pulmonary disease..... 22.8 %</p> <p>Cerebrovascular degeneration..... 5.8 %</p> <p>Diabetes mellitus..... 6.7 %</p>
--	---

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

<p><b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b></p> <p>County/City..... 80.8%</p> <p>State..... 17.7%</p> <p>Outside State..... 1.5%</p> <p>Total..... 100.0%</p>	<p><b>MEDICARE AVERAGE LENGTH OF STAY:</b></p> <p>Hospital..... 8.7 Days</p> <p>State..... 8.1 Days</p> <p>National..... 8.6 Days</p>
---	---

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<p><b>PROFILE:</b></p> <p>Total Beds..... 125</p> <p>Occupancy Rate..... 64.0 %</p> <p>Ownership/Control..... Private, For Profit</p> <p>Medicare Discharges..... 28.3 %</p> <p>Case Mix Index (CMI)..... 1.1395</p> <p><b>STAFFING:</b></p> <p>Total Number of Physicians..... 54</p> <p>Percent of Physicians Board Certified Specialists..... 53.7 %</p> <p>Medical Residents/Interns..... 0</p> <p>Registered Nurses..... 86</p> <p>Licensed Practical Nurses..... 36</p>	<p><b>SPECIALTY SERVICES:</b></p> <p>Burn Unit..... No</p> <p>Cardiac Intensive Care..... No</p> <p>Comprehensive Geriatric..... No</p> <p>Hospice Care..... No</p> <p>Medical/Surgical Intensive Care..... Yes</p> <p>Organ/Tissue Transplant..... No</p> <p>Other Intensive Care..... No</p> <p>Trauma Center..... No</p> <p><b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b></p> <p>Alcohol/Drug..... Yes</p> <p>Rehabilitation..... No</p> <p>Psychiatric..... Yes</p> <p>Medicare Swing Beds..... No</p>
** Except for CMI	

\* Not used in calculating mortality rates

# UNIVERSITY OF TENNESSEE MEDICAL CENTER

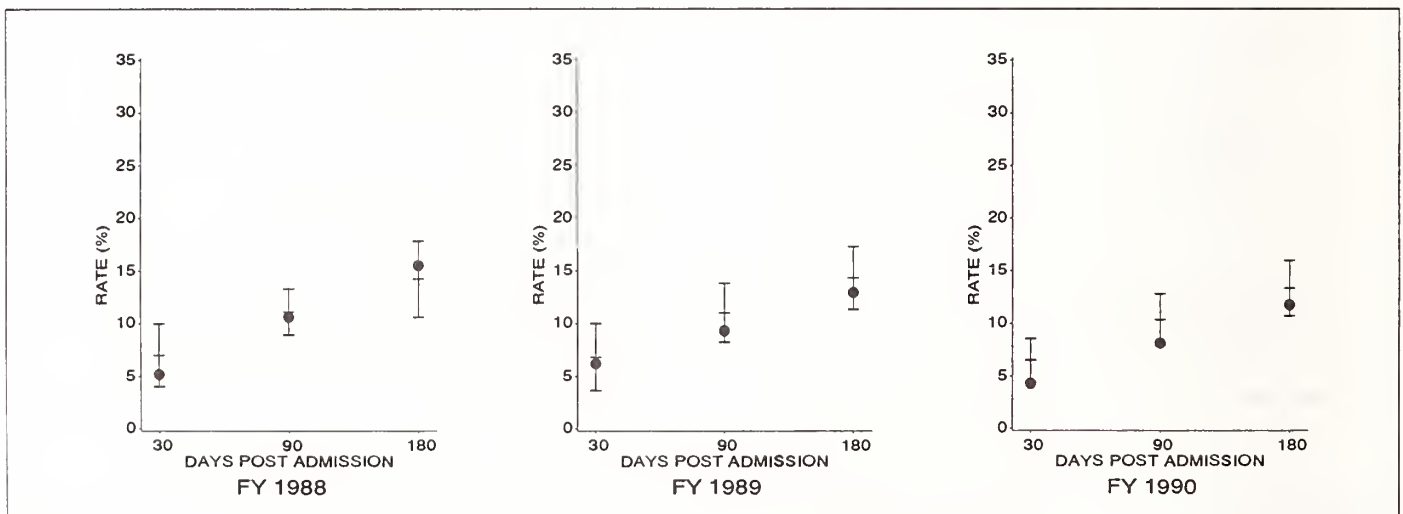
951 COURT AV  
MEMPHIS, TN 38103  
Medicare Provider Number: 440166

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	946	4.3	6.5	1.0	8.1	10.3	1.2	11.7	13.3	1.3
CONDITIONS:										
Acute Myocardial Infarction.....	3	33.3	47.1	-----	33.3	51.0	-----	66.7	55.2	-----
Congestive Heart Failure.....	27	11.1	13.4	-----	14.8	22.2	-----	25.9	28.4	-----
Pneumonia/Influenza.....	23	13.0	21.4	-----	17.4	28.3	-----	21.7	32.2	-----
Chronic Obstructive Pulmonary Disease.....	7	0.0	8.1	-----	0.0	13.9	-----	0.0	17.6	-----
Transient Cerebral Ischemia.....	6	0.0	1.0	-----	0.0	2.4	-----	0.0	4.2	-----
Stroke.....	14	21.4	24.2	-----	21.4	29.5	-----	21.4	33.0	-----
Hip Fracture.....	1	0.0	2.9	-----	0.0	5.6	-----	0.0	8.7	-----
Sepsis.....	12	33.3	29.1	-----	33.3	35.9	-----	41.7	40.2	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	1.3	-----	0.0	2.8	-----	0.0	4.3	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	0.6	-----	0.0	1.1	-----	0.0	1.6	-----
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	68	0.0	0.7	1.7	1.5	1.7	2.7	7.4	3.0	3.6
Cholecystectomy.....	14	0.0	1.7	-----	0.0	3.0	-----	0.0	4.2	-----
Hysterectomy.....	5	0.0	0.5	-----	0.0	1.2	-----	0.0	1.9	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# UNIVERSITY OF TENNESSEE MEDICAL CENTER

Medicare Provider Number: 440166

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 64.0 years	Cancer..... 6.4 %
Proportion female..... 48.1 %	Chronic cardiovascular disease..... 15.8 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.5 %
Referred by personal or HMO physician..... 44.5 %	Chronic renal disease..... 16.2 %
Transferred from skilled nursing facility..... 0.1 %	Chronic pulmonary disease..... 4.4 %
Admitted for elective procedure..... 38.6 %	Cerebrovascular degeneration..... 2.2 %
Admitted for emergency..... 59.6 %	Diabetes mellitus..... 9.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 64.2%	Hospital ..... 7.6 Days
State ..... 9.1%	State ..... 8.1 Days
Outside State ..... 26.7%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

<b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	<b>SPECIALTY SERVICES:</b>
Total Beds ..... 128	Burn Unit ..... No
Occupancy Rate ..... 57.0 %	Cardiac Intensive Care ..... No
Ownership/Control..... State Government	Comprehensive Geriatric ..... No
Medicare Discharges ..... 50.0 %	Hospice Care ..... No
Case Mix Index (CMI) ..... 1.2174	Medical/Surgical Intensive Care ..... Yes
<b>STAFFING:</b>	Organ/Tissue Transplant ..... Yes
Total Number of Physicians..... 261	Other Intensive Care ..... No
Percent of Physicians Board Certified Specialists..... 92.7 %	Trauma Center ..... No
Medical Residents/Interns ..... 0	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>
Registered Nurses..... 96	Alcohol/Drug ..... No
Licensed Practical Nurses ..... 12	Rehabilitation..... No
	Psychiatric ..... No
	Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# UNIVERSITY OF TENNESSEE MEM HOSPITAL

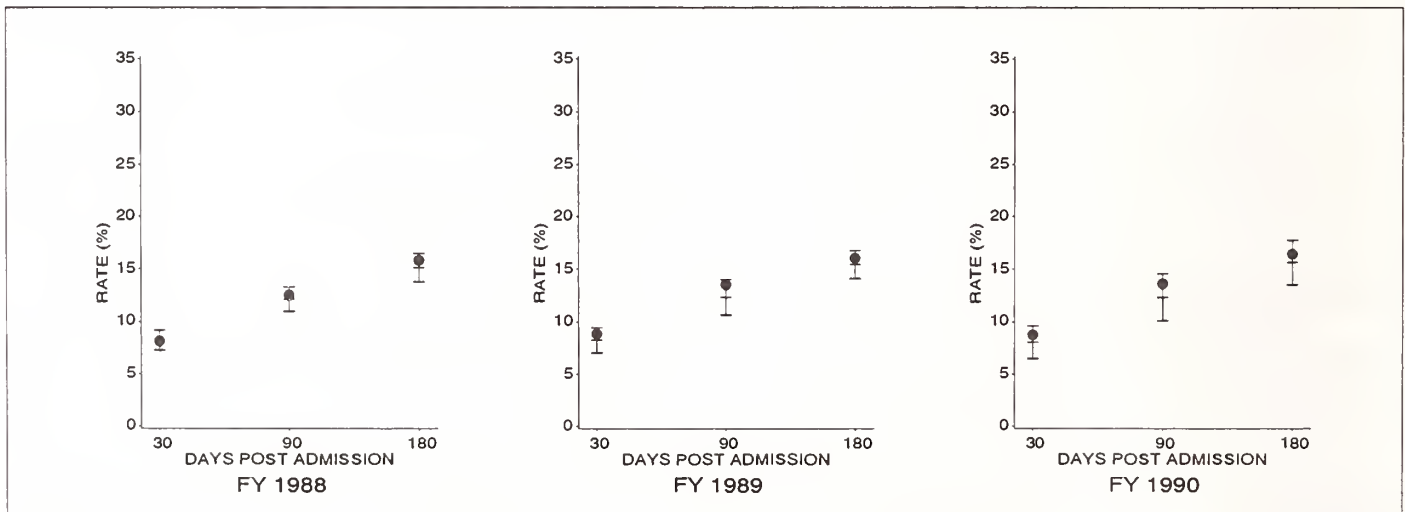
1924 ALCOA HIGHWAY  
KNOXVILLE, TN 37920  
Medicare Provider Number: 440015

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	3576	8.7	8.0	0.8	13.6	12.3	1.1	16.4	15.6	1.1
CONDITIONS:										
Acute Myocardial Infarction.....	115	27.0	21.7	5.2	32.2	24.2	5.4	33.0	26.5	5.3
Congestive Heart Failure.....	149	18.1	12.4	4.5	27.5	20.0	5.7	31.5	25.9	5.4
Pneumonia/Influenza.....	89	13.5	14.6	4.7	19.1	20.3	5.0	23.6	24.2	5.9
Chronic Obstructive Pulmonary Disease.....	30	10.0	6.4	----	10.0	11.1	----	10.0	14.8	----
Transient Cerebral Ischemia.....	50	0.0	1.5	----	0.0	3.4	----	2.0	5.4	----
Stroke.....	96	14.6	17.3	4.1	16.7	23.3	5.3	18.8	26.7	6.5
Hip Fracture.....	54	3.7	7.0	4.6	5.6	12.1	7.2	14.8	15.5	7.5
Sepsis.....	29	20.7	22.4	----	31.0	29.1	----	31.0	33.3	----
PROCEDURES:										
Angioplasty.....	55	7.3	3.3	5.2	9.1	4.2	5.9	10.9	5.2	6.2
Coronary Artery Bypass Graft.....	128	5.5	5.7	3.1	7.8	8.1	2.4	10.2	9.2	2.7
Initial Pacemaker Insertion.....	18	5.6	2.6	----	5.6	5.3	----	5.6	7.9	----
Carotid Endarterectomy.....	25	0.0	1.4	----	0.0	2.6	----	4.0	3.8	----
Hip Replacement/Reconstruction.....	30	0.0	3.6	----	3.3	6.5	----	10.0	8.9	----
Open Reduction of Hip Fracture.....	27	7.4	6.7	----	7.4	12.0	----	11.1	15.4	----
Prostatectomy.....	53	0.0	1.4	2.6	0.0	3.3	5.2	1.9	5.5	6.6
Cholecystectomy.....	77	9.1	3.6	4.0	11.7	6.6	4.6	13.0	8.6	5.8
Hysterectomy.....	34	11.8	1.3	----	14.7	2.8	----	14.7	4.2	----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# UNIVERSITY OF TENNESSEE MEM HOSPITAL

Medicare Provider Number: 440015

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 69.4 years	Cancer..... 8.0 %
Proportion female..... 52.2 %	Chronic cardiovascular disease..... 37.0 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 1.0 %
Referred by personal or HMO physician..... 48.9 %	Chronic renal disease..... 5.1 %
Transferred from skilled nursing facility..... 0.3 %	Chronic pulmonary disease..... 17.3 %
Admitted for elective procedure..... 25.0 %	Cerebrovascular degeneration..... 4.9 %
Admitted for emergency..... 47.9 %	Diabetes mellitus..... 10.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 44.6%	Hospital ..... 9.7 Days
State ..... 50.2%	State ..... 8.1 Days
Outside State ..... 5.2%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 567 Occupancy Rate ..... 80.0 % Ownership/Control..... State Government Medicare Discharges ..... 27.5 % Case Mix Index (CMI) ..... 1.4856  <b>STAFFING:</b> Total Number of Physicians..... 338 Percent of Physicians Board Certified Specialists..... 71.9 % Medical Residents/Interns ..... 87 Registered Nurses..... 752 Licensed Practical Nurses ..... 92	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... Yes Comprehensive Geriatric ..... No Hospice Care ..... Yes Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... Yes Other Intensive Care ..... Yes Trauma Center ..... Yes  <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... Yes Rehabilitation..... No Psychiatric ..... Yes Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# VALLEY REGIONAL HOSPITAL

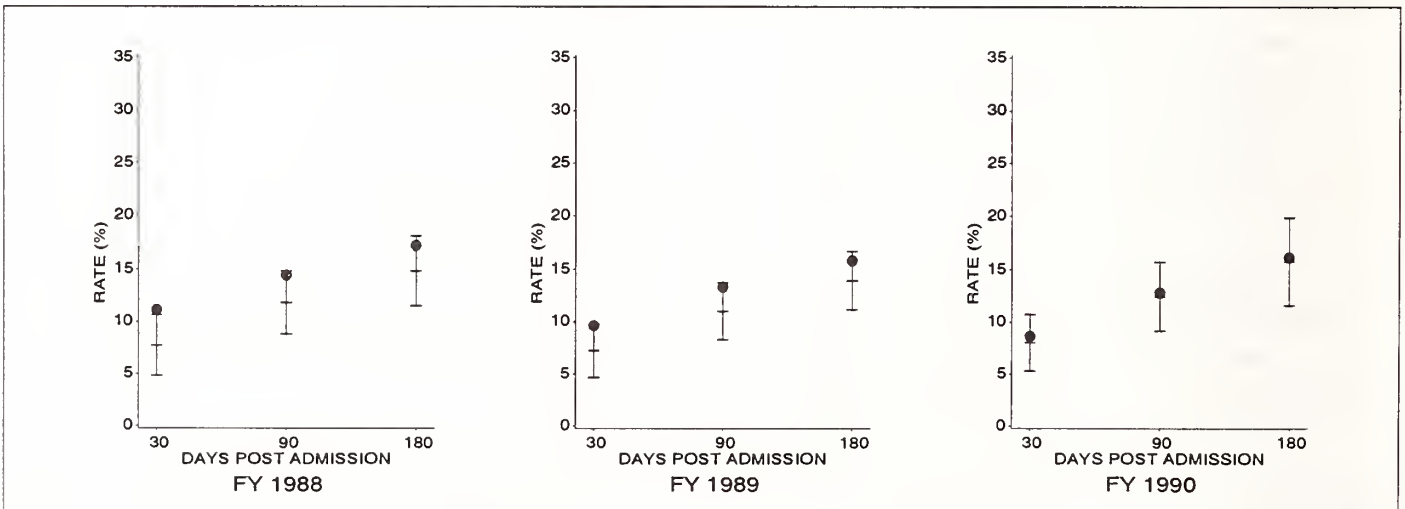
HOSPITAL ST  
CAMDEN, TN 38320  
Medicare Provider Number: 440145

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	477	8.6	8.0	1.4	12.8	12.4	1.6	16.1	15.7	2.1
CONDITIONS:										
Acute Myocardial Infarction.....	11	45.5	28.9	-----	54.5	32.5	-----	63.6	36.8	-----
Congestive Heart Failure.....	18	16.7	13.5	-----	27.8	21.5	-----	38.9	27.2	-----
Pneumonia/Influenza.....	59	8.5	13.4	5.1	15.3	19.1	6.0	15.3	22.7	6.9
Chronic Obstructive Pulmonary Disease.....	12	8.3	6.3	-----	8.3	11.5	-----	16.7	15.5	-----
Transient Cerebral Ischemia.....	11	0.0	3.2	-----	0.0	7.4	-----	18.2	11.7	-----
Stroke.....	15	33.3	22.3	-----	46.7	28.9	-----	53.3	32.9	-----
Hip Fracture.....	4	0.0	5.8	-----	0.0	10.5	-----	0.0	13.8	-----
Sepsis.....	1	0.0	16.8	-----	0.0	29.6	-----	0.0	35.3	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	3	0.0	5.2	-----	0.0	9.3	-----	0.0	12.2	-----
Open Reduction of Hip Fracture.....	1	0.0	4.8	-----	0.0	10.3	-----	0.0	14.7	-----
Prostatectomy.....	7	0.0	1.6	-----	0.0	3.4	-----	14.3	5.6	-----
Cholecystectomy.....	3	0.0	0.7	-----	0.0	1.3	-----	0.0	1.7	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# VALLEY REGIONAL HOSPITAL

Medicare Provider Number: 440145

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.7 years	Cancer..... 4.4 %
Proportion female..... 62.9 %	Chronic cardiovascular disease..... 28.1 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.4 %
Referred by personal or HMO physician..... 30.6 %	Chronic renal disease..... 0.6 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 18.7 %
Admitted for elective procedure..... 30.6 %	Cerebrovascular degeneration..... 1.0 %
Admitted for emergency..... 0.0 %	Diabetes mellitus..... 9.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 73.2%	Hospital ..... 7.0 Days
State ..... 25.3%	State ..... 8.1 Days
Outside State ..... 1.5%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 72 Occupancy Rate ..... 38.0 % Ownership Control..... Private, Non-Profit Medicare Discharges ..... (Not Available) Case Mix Index (CMI) ..... 1.0159 <b>STAFFING:</b> Total Number of Physicians..... (Not Available) Percent of Physicians Board Certified Specialists ..... (Not Available) Medical Residents/Interns ..... (Not Available) Registered Nurses..... (Not Available) Licensed Practical Nurses ..... (Not Available)	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# VANDERBILT UNIVERSITY MEDICAL CENTER

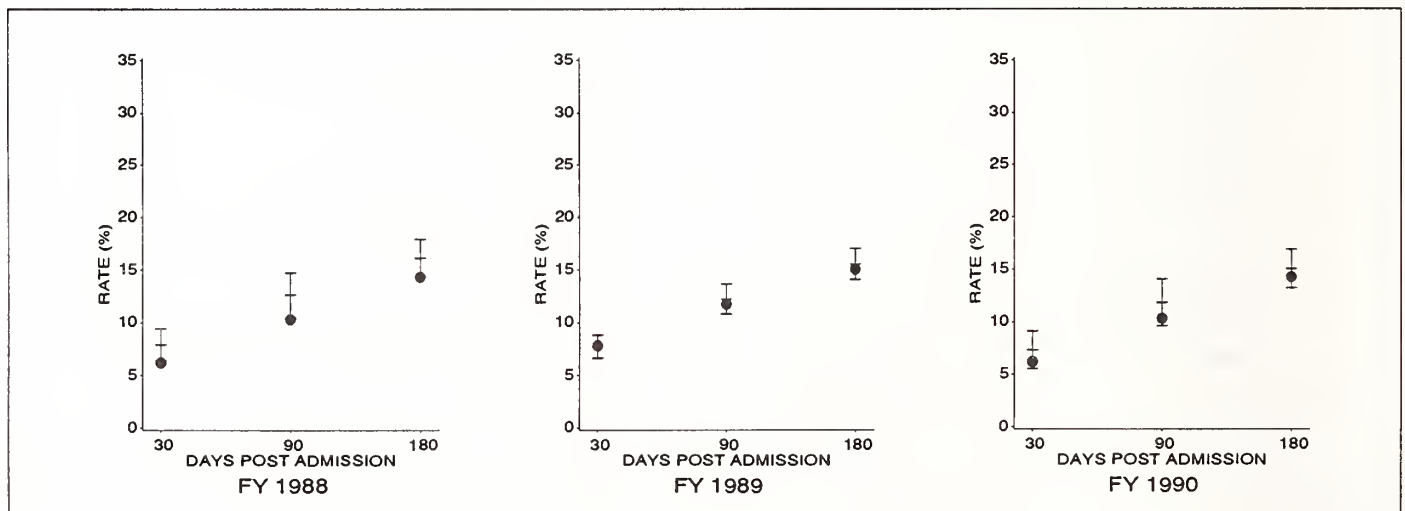
1211 22ND AVE  
NASHVILLE, TN 37232  
Medicare Provider Number: 440039

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	2722	6.2	7.3	0.9	10.3	11.8	1.1	14.2	15.0	0.9
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	34	26.5	22.3	-----	32.4	25.6	-----	38.2	28.2	-----
Congestive Heart Failure.....	80	12.5	13.1	7.2	17.5	21.0	5.9	26.2	26.9	5.4
Pneumonia/Influenza.....	73	15.1	14.1	4.2	20.5	19.6	5.2	24.7	23.0	5.1
Chronic Obstructive Pulmonary Disease.....	25	12.0	8.3	-----	12.0	13.7	-----	12.0	17.5	-----
Transient Cerebral Ischemia.....	16	0.0	1.4	-----	0.0	3.0	-----	6.3	4.8	-----
Stroke.....	56	12.5	20.9	6.6	16.1	27.3	7.9	26.8	31.2	6.7
Hip Fracture.....	39	0.0	8.1	-----	7.7	14.2	-----	15.4	18.1	-----
Sepsis.....	31	35.5	24.7	-----	54.8	32.6	-----	61.3	36.9	-----
<b>PROCEDURES:</b>										
Angioplasty.....	21	0.0	3.8	-----	0.0	5.4	-----	4.8	6.9	-----
Coronary Artery Bypass Graft.....	48	12.5	8.2	-----	16.7	11.7	-----	18.8	13.3	-----
Initial Pacemaker Insertion.....	11	0.0	2.1	-----	0.0	4.4	-----	0.0	6.7	-----
Carotid Endarterectomy.....	12	0.0	1.1	-----	0.0	2.1	-----	0.0	2.9	-----
Hip Replacement/Reconstruction.....	65	0.0	2.6	3.3	1.5	5.1	4.6	3.1	7.1	5.4
Open Reduction of Hip Fracture.....	10	0.0	7.1	-----	0.0	12.7	-----	20.0	16.2	-----
Prostatectomy.....	22	4.5	0.7	-----	9.1	1.8	-----	18.2	3.1	-----
Cholecystectomy.....	29	3.4	3.7	-----	13.8	5.8	-----	17.2	7.2	-----
Hysterectomy.....	20	0.0	1.0	-----	0.0	2.3	-----	5.0	3.7	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (°) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**VANDERBILT UNIVERSITY MEDICAL CENTER**  
 Medicare Provider Number: 440039

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	66.6 years	Cancer.....	9.2 %
Proportion female.....	53.9 %	Chronic cardiovascular disease.....	23.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.6 %
Referred by personal or HMO physician.....	46.8 %	Chronic renal disease.....	6.9 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	7.2 %
Admitted for elective procedure.....	35.8 %	Cerebrovascular degeneration.....	4.0 %
Admitted for emergency.....	44.3 %	Diabetes mellitus.....	7.6 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	42.2%	Hospital .....	9.5 Days
State .....	41.7%	State .....	8.1 Days
Outside State .....	16.1%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:	SPECIALTY SERVICES:
Total Beds .....	Burn Unit .....
605	Yes
Occupancy Rate .....	Cardiac Intensive Care .....
83.0 %	No
Ownership/Control.....	Comprehensive Geriatric .....
Private, Non-Profit	Yes
Medicare Discharges .....	Hospice Care .....
19.0 %	No
Case Mix Index (CMI) .....	Medical/Surgical Intensive Care .....
1.5636	Yes
STAFFING:	Organ/Tissue Transplant .....
Total Number of Physicians.....	Yes
523	Other Intensive Care .....
Percent of Physicians Board	Yes
Certified Specialists .....	Trauma Center .....
79.3 %	Yes
Medical Residents/Interns .....	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
269	Alcohol/Drug .....
Registered Nurses.....	Yes
984	Rehabilitation.....
Licensed Practical Nurses .....	Yes
103	Psychiatric .....
	Yes
	Medicare Swing Beds .....
	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# WARREN REGIONAL HOSPITAL

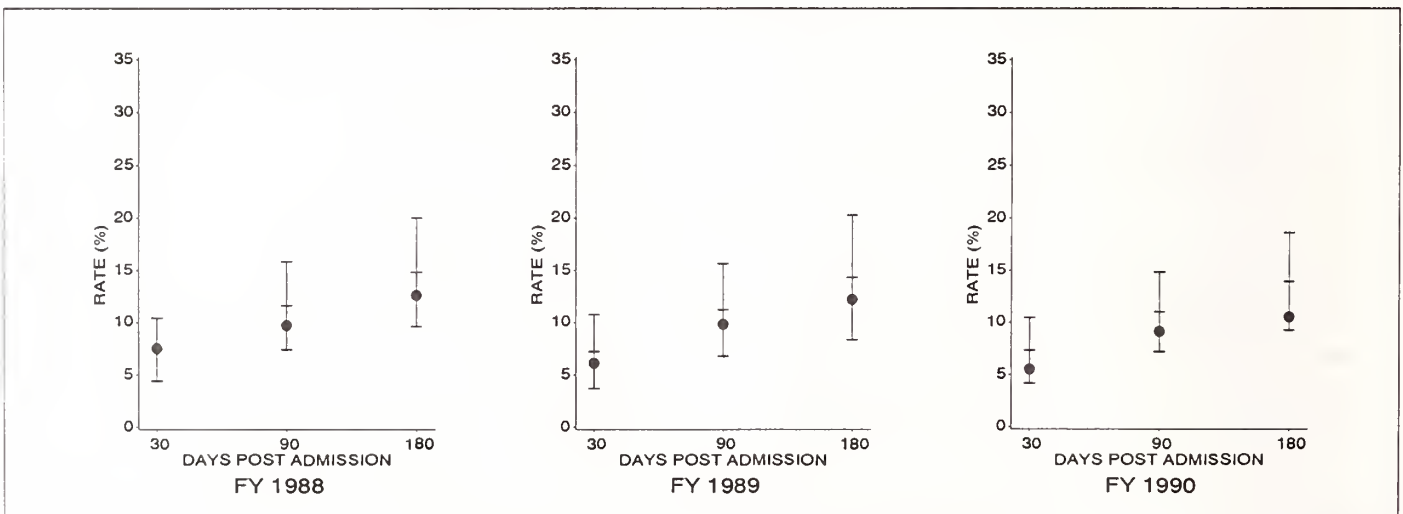
SPARTA RD  
MCMINNVILLE, TN 37110  
Medicare Provider Number: 440038

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	361	5.5	7.3	1.6	9.1	11.0	1.9	10.5	13.9	2.3
CONDITIONS:										
Acute Myocardial Infarction.....	8	37.5	30.5	-----	37.5	33.0	-----	37.5	36.1	-----
Congestive Heart Failure.....	11	18.2	18.1	-----	18.2	29.1	-----	18.2	36.2	-----
Pneumonia/Influenza.....	26	15.4	15.2	-----	34.6	20.9	-----	34.6	24.6	-----
Chronic Obstructive Pulmonary Disease.....	11	0.0	5.8	-----	0.0	10.3	-----	0.0	14.5	-----
Transient Cerebral Ischemia.....	9	0.0	1.2	-----	0.0	2.9	-----	0.0	5.0	-----
Stroke.....	14	7.1	16.8	-----	7.1	21.2	-----	7.1	24.8	-----
Hip Fracture.....	4	0.0	4.9	-----	25.0	9.3	-----	25.0	11.9	-----
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	1	0.0	0.5	-----	0.0	1.2	-----	0.0	2.1	-----
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	1	0.0	4.2	-----	0.0	8.9	-----	0.0	12.6	-----
Prostatectomy.....	5	0.0	1.3	-----	0.0	3.2	-----	0.0	5.4	-----
Cholecystectomy.....	0									
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# WARREN REGIONAL HOSPITAL

Medicare Provider Number: 440038

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 71.8 years	Cancer..... 2.5 %
Proportion female..... 57.6 %	Chronic cardiovascular disease..... 28.0 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.8 %
Referred by personal or HMO physician..... 33.8 %	Chronic renal disease..... 0.3 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 18.6 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 4.2 %
Admitted for emergency..... 81.4 %	Diabetes mellitus..... 1.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 80.8%	Hospital ..... 5.7 Days
State ..... 18.2%	State ..... 8.1 Days
Outside State ..... 1.0%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 63 Occupancy Rate ..... 39.0 % Ownership/Control..... Private, For Profit Medicare Discharges .....(Not Available) Case Mix Index (CMI) ..... 0.9230 <b>STAFFING:</b> Total Number of Physicians..... (Not Available) Percent of Physicians Board Certified Specialists .....(Not Available) Medical Residents/Interns ..... (Not Available) Registered Nurses..... (Not Available) Licensed Practical Nurses ..... (Not Available)	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... Yes Medical/Surgical Intensive Care..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... Yes Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# WAYNE COUNTY GENERAL HOSPITAL

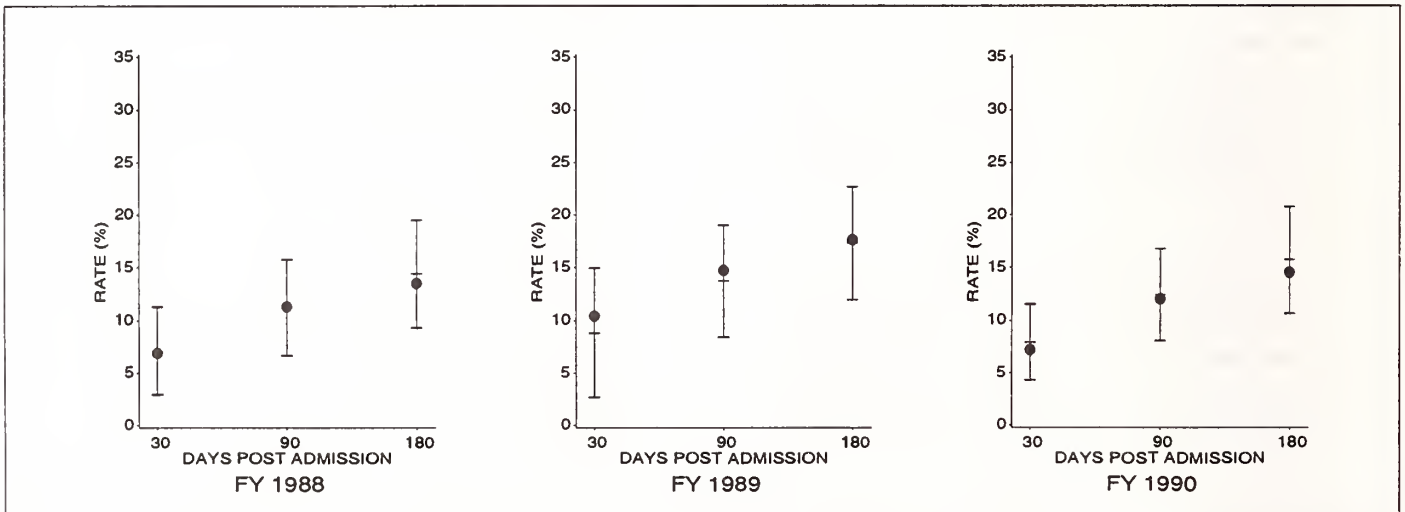
HWY 64 E, BOX 580  
WAYNESBORO, TN 38485  
Medicare Provider Number: 440010

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	276	7.2	7.9	1.8	12.0	12.4	2.2	14.5	15.7	2.5
CONDITIONS:										
Acute Myocardial Infarction.....	2	0.0	17.9	-----	50.0	20.7	-----	50.0	23.3	-----
Congestive Heart Failure.....	15	13.3	16.9	-----	26.7	26.5	-----	26.7	33.1	-----
Pneumonia/Influenza.....	32	6.3	16.5	-----	15.6	22.7	-----	18.8	26.2	-----
Chronic Obstructive Pulmonary Disease.....	12	0.0	3.9	-----	0.0	7.9	-----	8.3	11.7	-----
Transient Cerebral Ischemia.....	6	0.0	1.2	-----	0.0	2.8	-----	16.7	4.7	-----
Stroke.....	10	30.0	14.4	-----	50.0	21.7	-----	50.0	25.2	-----
Hip Fracture.....	0									
Sepsis.....	2	100.0	23.1	-----	100.0	31.3	-----	100.0	36.1	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	4	0.0	1.4	-----	0.0	2.7	-----	0.0	3.7	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**WAYNE COUNTY GENERAL HOSPITAL**  
Medicare Provider Number: 440010

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	73.0 years	Cancer.....	4.3 %
Proportion female.....	59.4 %	Chronic cardiovascular disease.....	29.0 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.4 %
Referred by personal or HMO physician.....	46.4 %	Chronic renal disease.....	0.4 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	21.7 %
Admitted for elective procedure.....	0.7 %	Cerebrovascular degeneration.....	1.1 %
Admitted for emergency.....	4.3 %	Diabetes mellitus.....	9.4 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	78.7%	Hospital .....	6.6 Days
State .....	17.8%	State .....	8.1 Days
Outside State .....	3.5%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b>	
Total Beds .....	70
Occupancy Rate .....	34.0 %
Ownership/Control.....	Private, For Profit
Medicare Discharges .....	41.8 %
Case Mix Index (CMI) .....	0.9468
<b>STAFFING:</b>	
Total Number of Physicians.....	7
Percent of Physicians Board Certified Specialists.....	85.7 %
Medical Residents/Interns .....	0
Registered Nurses.....	12
Licensed Practical Nurses .....	22
<b>SPECIALTY SERVICES:</b>	
Burn Unit .....	No
Cardiac Intensive Care .....	No
Comprehensive Geriatric .....	No
Hospice Care .....	No
Medical/Surgical Intensive Care .....	No
Organ/Tissue Transplant .....	No
Other Intensive Care .....	No
Trauma Center .....	No
<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
Alcohol/Drug.....	Yes
Rehabilitation.....	No
Psychiatric.....	No
Medicare Swing Beds .....	Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

**WEST SIDE HOSPITAL**

2208 PATTERSON ST  
 NASHVILLE, TN 37203  
 Medicare Provider Number: 440167

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	26	3.8	2.9	-----	7.7	4.8	-----	11.5	6.1	-----
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	0									
Pneumonia/Influenza.....	2	50.0	14.8	-----	50.0	21.0	-----	50.0	23.7	-----
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	1	0.0	2.9	-----	0.0	5.2	-----	0.0	6.6	-----
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	1	0.0	0.5	-----	0.0	1.0	-----	0.0	1.4	-----
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	4	0.0	0.2	-----	0.0	0.5	-----	0.0	0.8	-----
Cholecystectomy.....	2	0.0	0.9	-----	0.0	1.4	-----	0.0	1.7	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (°) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**

No Graphs are presented when the standard deviation was not computed for one or more of the three fiscal years, (1988, 1989, or 1990)



**WEST SIDE HOSPITAL**  
 Medicare Provider Number: 440167

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	70.2 years	Cancer.....	0.0 %
Proportion female.....	46.2 %	Chronic cardiovascular disease.....	34.6 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.0 %
Referred by personal or HMO physician.....	0.0 %	Chronic renal disease.....	0.0 %
Transferred from skilled nursing facility.....	0.0 %	Chronic pulmonary disease.....	15.4 %
Admitted for elective procedure.....	61.5 %	Cerebrovascular degeneration.....	3.8 %
Admitted for emergency.....	7.7 %	Diabetes mellitus.....	7.7 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	47.0%	Hospital .....	7.1 Days
State .....	41.2%	State .....	8.1 Days
Outside State .....	11.8%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1988

<b>PROFILE:</b>		<b>SPECIALTY SERVICES:</b>	
Total Beds .....	230	Burn Unit .....	No
Ownership/Control.....	Private, For Profit	Coronary Care Unit .....	Yes
Case Mix Index (CMI) .....	1.1345	Hospice Care .....	No
<b>STAFFING:</b>		Intensive Care Unit .....	Yes
Medical Residents/Interns .....	0	Organ Transplant .....	No
Registered Nurses.....	158	Trauma Center .....	No
Licensed Practical Nurses .....	40	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>	
		Alcohol/Drug .....	No
		Rehabilitation.....	No
		Psychiatric .....	No
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# WESTERN MENTAL HEALTH INSTITUTE

HWY 64  
BOLIVAR, TN 38074  
Medicare Provider Number: 440154

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	21	0.0	5.0	----	4.8	10.0	----	4.8	13.9	----
CONDITIONS:										
Acute Myocardial Infarction.....	0									
Congestive Heart Failure.....	1	0.0	8.9	----	0.0	15.5	----	0.0	18.9	----
Pneumonia/Influenza.....	1	0.0	15.1	----	0.0	22.9	----	0.0	28.4	----
Chronic Obstructive Pulmonary Disease.....	0									
Transient Cerebral Ischemia.....	0									
Stroke.....	0									
Hip Fracture.....	0									
Sepsis.....	0									
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# WESTERN MENTAL HEALTH INSTITUTE

Medicare Provider Number: 440154

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 65.7 years	Cancer..... 4.8 %
Proportion female..... 47.6 %	Chronic cardiovascular disease..... 4.8 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.0 %
Referred by personal or HMO physician..... 4.8 %	Chronic renal disease..... 0.0 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 4.8 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 19.0 %
Admitted for emergency..... 14.3 %	Diabetes mellitus..... 4.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 19.6%	Hospital ..... 25.5 Days
State ..... 78.4%	State ..... 8.1 Days
Outside State ..... 2.0%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 372 Occupancy Rate ..... 100.0 % Ownership/Control..... State Government Medicare Discharges .....(Not Available) Case Mix Index (CMI) ..... 0.7258 <b>STAFFING:</b> Total Number of Physicians..... 10 Percent of Physicians Board Certified Specialists .....(Not Available) Medical Residents/Interns ..... 0 Registered Nurses..... 54 Licensed Practical Nurses ..... 36	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... No Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... Yes Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# WHITE COUNTY COMMUNITY HOSPITAL

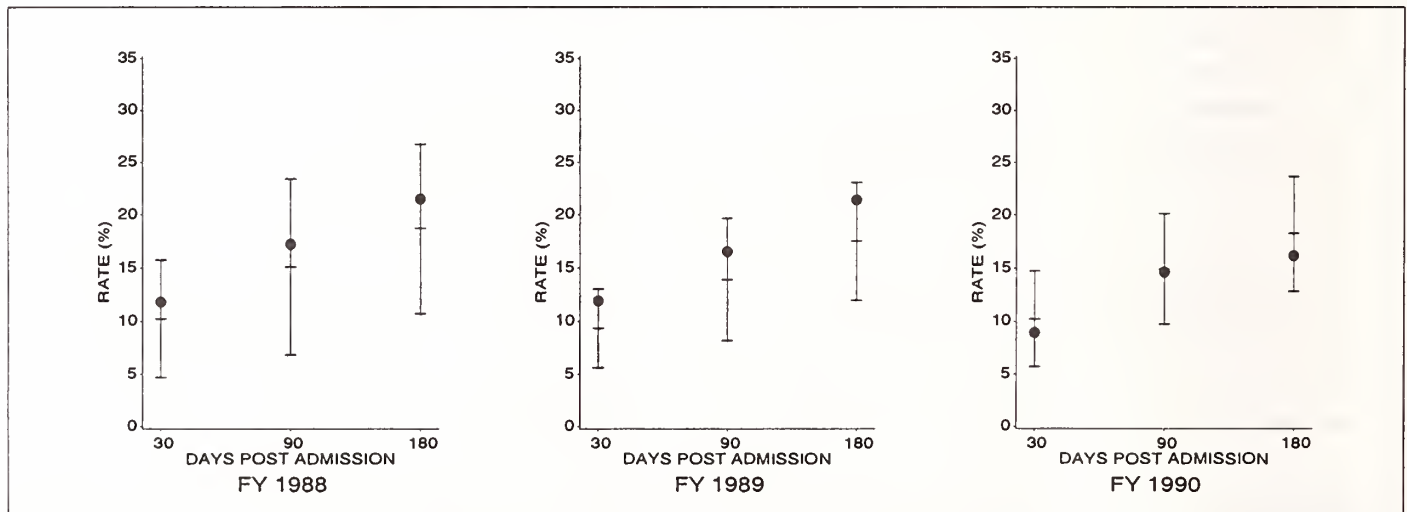
401 SEWELL RD  
SPARTA, TN 38583  
Medicare Provider Number: 440192

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	403	8.9	10.2	2.3	14.6	14.9	2.6	16.1	18.2	2.7
CONDITIONS:										
Acute Myocardial Infarction.....	9	66.7	31.7	-----	66.7	34.4	-----	66.7	37.0	-----
Congestive Heart Failure.....	21	4.8	13.5	-----	9.5	20.8	-----	9.5	26.4	-----
Pneumonia/Influenza.....	63	6.3	14.3	5.8	9.5	19.5	7.0	12.7	22.7	7.7
Chronic Obstructive Pulmonary Disease.....	7	0.0	6.3	-----	0.0	11.9	-----	0.0	16.3	-----
Transient Cerebral Ischemia.....	4	0.0	1.3	-----	0.0	3.1	-----	0.0	5.3	-----
Stroke.....	17	11.8	20.1	-----	35.3	26.2	-----	35.3	30.4	-----
Hip Fracture.....	12	16.7	8.6	-----	25.0	15.4	-----	25.0	19.5	-----
Sepsis.....	2	0.0	24.6	-----	0.0	29.7	-----	0.0	33.3	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	4	0.0	7.3	-----	0.0	13.1	-----	0.0	17.0	-----
Open Reduction of Hip Fracture.....	8	25.0	7.6	-----	37.5	14.1	-----	37.5	18.5	-----
Prostatectomy.....	0									
Cholecystectomy.....	4	0.0	0.6	-----	0.0	1.2	-----	0.0	1.8	-----
Hysterectomy.....	0									

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# WHITE COUNTY COMMUNITY HOSPITAL

Medicare Provider Number: 440192

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.3 years	Cancer..... 5.7 %
Proportion female..... 60.5 %	Chronic cardiovascular disease..... 37.7 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.5 %
Referred by personal or HMO physician..... 26.3 %	Chronic renal disease..... 1.7 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 15.4 %
Admitted for elective procedure..... 0.0 %	Cerebrovascular degeneration..... 6.2 %
Admitted for emergency..... 50.6 %	Diabetes mellitus..... 9.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 87.6%	Hospital ..... 5.1 Days
State ..... 10.8%	State ..... 8.1 Days
Outside State ..... 1.6%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 60 Occupancy Rate ..... 25.0 % Ownership/Control..... Private, For Profit Medicare Discharges .....(Not Available) Case Mix Index (CMI) ..... 0.9584  <b>STAFFING:</b> Total Number of Physicians..... (Not Available) Percent of Physicians Board Certified Specialists .....(Not Available) Medical Residents/Interns ..... (Not Available) Registered Nurses..... (Not Available) Licensed Practical Nurses ..... (Not Available)	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No  <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# WHITWELL MEDICAL CENTER

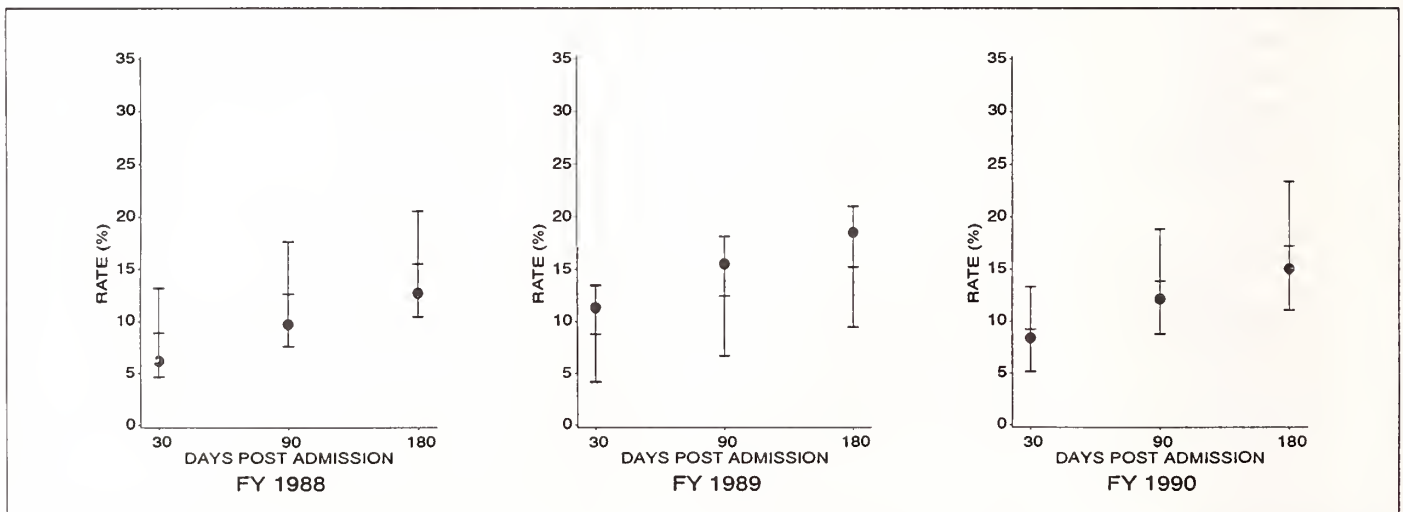
101 N MAPLE ST  
WHITWELL, TN 37397  
Medicare Provider Number: 440090

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	214	8.4	9.2	2.0	12.1	13.8	2.5	15.0	17.2	3.1
<b>CONDITIONS:</b>										
Acute Myocardial Infarction.....	7	42.9	29.2	-----	42.9	31.8	-----	42.9	34.3	-----
Congestive Heart Failure.....	6	16.7	14.4	-----	16.7	22.1	-----	16.7	27.6	-----
Pneumonia/Influenza.....	12	16.7	17.4	-----	33.3	24.5	-----	33.3	28.4	-----
Chronic Obstructive Pulmonary Disease.....	13	7.7	6.6	-----	7.7	13.3	-----	7.7	19.0	-----
Transient Cerebral Ischemia.....	1	0.0	3.5	-----	0.0	7.9	-----	0.0	12.0	-----
Stroke.....	5	20.0	16.0	-----	20.0	21.4	-----	20.0	24.0	-----
Hip Fracture.....	0									
Sepsis.....	1	0.0	9.7	-----	0.0	14.1	-----	0.0	16.2	-----
<b>PROCEDURES:</b>										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	0									
Hysterectomy.....	1	0.0	0.0	-----	0.0	0.0	-----	0.0	0.0	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WHITWELL MEDICAL CENTER

Medicare Provider Number: 440090

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 71.4 years	Cancer..... 5.1 %
Proportion female..... 48.6 %	Chronic cardiovascular disease..... 28.5 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.0 %
Referred by personal or HMO physician..... 38.8 %	Chronic renal disease..... 6.5 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 16.4 %
Admitted for elective procedure..... 11.7 %	Cerebrovascular degeneration..... 1.4 %
Admitted for emergency..... 41.1 %	Diabetes mellitus..... 9.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City..... 60.7%	Hospital ..... 6.3 Days
State ..... 36.3%	State ..... 8.1 Days
Outside State ..... 3.0%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 44 Occupancy Rate ..... 52.0 % Ownership/Control..... Private, Non-Profit Medicare Discharges .....(Not Available) Case Mix Index (CMI) ..... 1.0361	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No
<b>STAFFING:</b> Total Number of Physicians..... 8 Percent of Physicians Board Certified Specialists..... 50.0 % Medical Residents/Interns ..... 0 Registered Nurses..... 14 Licensed Practical Nurses ..... 11	<b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... Yes Rehabilitation..... No Psychiatric ..... No Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# WILLIAMSON MEDICAL CENTER

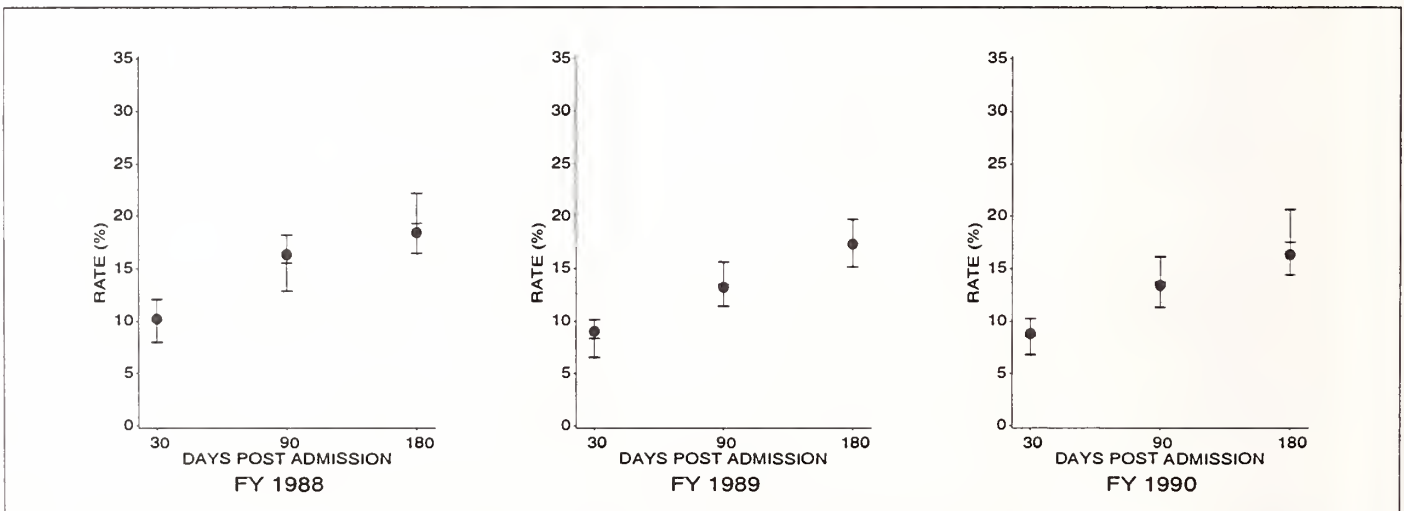
2021 CAROTHERS RD, BOX 1600  
FRANKLIN, TN 37065  
Medicare Provider Number: 440029

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	1153	8.8	8.5	0.9	13.4	13.7	1.2	16.3	17.5	1.6
CONDITIONS:										
Acute Myocardial Infarction.....	39	30.8	19.4	-----	30.8	23.4	-----	38.5	26.7	-----
Congestive Heart Failure.....	52	17.3	15.2	6.7	28.8	24.8	8.5	32.7	31.3	8.4
Pneumonia/Influenza.....	71	16.9	12.6	6.0	19.7	17.9	5.0	23.9	21.6	5.5
Chronic Obstructive Pulmonary Disease.....	12	0.0	8.2	-----	16.7	13.4	-----	16.7	17.8	-----
Transient Cerebral Ischemia.....	10	0.0	1.5	-----	0.0	3.4	-----	0.0	5.4	-----
Stroke.....	34	8.8	18.2	-----	26.5	25.3	-----	29.4	29.3	-----
Hip Fracture.....	28	0.0	6.8	-----	7.1	12.6	-----	7.1	16.9	-----
Sepsis.....	11	27.3	14.4	-----	36.4	20.3	-----	36.4	24.6	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	7	0.0	4.8	-----	14.3	9.9	-----	28.6	14.4	-----
Carotid Endarterectomy.....	2	0.0	0.9	-----	0.0	1.7	-----	0.0	2.8	-----
Hip Replacement/Reconstruction.....	24	0.0	1.8	-----	4.2	3.6	-----	4.2	5.2	-----
Open Reduction of Hip Fracture.....	17	0.0	6.7	-----	0.0	12.8	-----	0.0	17.7	-----
Prostatectomy.....	35	2.9	1.1	-----	2.9	2.4	-----	2.9	3.9	-----
Cholecystectomy.....	19	10.5	2.4	-----	10.5	4.1	-----	10.5	5.1	-----
Hysterectomy.....	4	0.0	0.7	-----	0.0	1.6	-----	0.0	2.5	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# WILLIAMSON MEDICAL CENTER

Medicare Provider Number: 440029

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission..... 75.3 years	Cancer..... 7.7 %
Proportion female..... 58.3 %	Chronic cardiovascular disease..... 30.4 %
<b>ADMISSION SOURCES/TYPES:</b>	Chronic liver disease..... 0.5 %
Referred by personal or HMO physician..... 46.8 %	Chronic renal disease..... 2.8 %
Transferred from skilled nursing facility..... 0.0 %	Chronic pulmonary disease..... 13.2 %
Admitted for elective procedure..... 13.7 %	Cerebrovascular degeneration..... 7.9 %
Admitted for emergency..... 0.0 %	Diabetes mellitus..... 7.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City ..... 67.3%	Hospital ..... 8.6 Days
State ..... 28.4%	State ..... 8.1 Days
Outside State ..... 4.3%	National ..... 8.6 Days
Total ..... 100.0%	

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
<b>PROFILE:</b> Total Beds ..... 130 Occupancy Rate ..... 70.0 % Ownership/Control..... Private, Non-Profit Medicare Discharges ..... 39.1 % Case Mix Index (CMI) ..... 1.2052  <b>STAFFING:</b> Total Number of Physicians..... 55 Percent of Physicians Board Certified Specialists ..... 70.9 % Medical Residents/Interns ..... 0 Registered Nurses..... 140 Licensed Practical Nurses ..... 59	<b>SPECIALTY SERVICES:</b> Burn Unit ..... No Cardiac Intensive Care ..... No Comprehensive Geriatric ..... No Hospice Care ..... No Medical/Surgical Intensive Care ..... Yes Organ/Tissue Transplant ..... No Other Intensive Care ..... No Trauma Center ..... No  <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> Alcohol/Drug ..... No Rehabilitation..... No Psychiatric ..... Yes Medicare Swing Beds ..... No
** Except for CMI	

\* Not used in calculating mortality rates

# WOODS MEMORIAL HOSPITAL

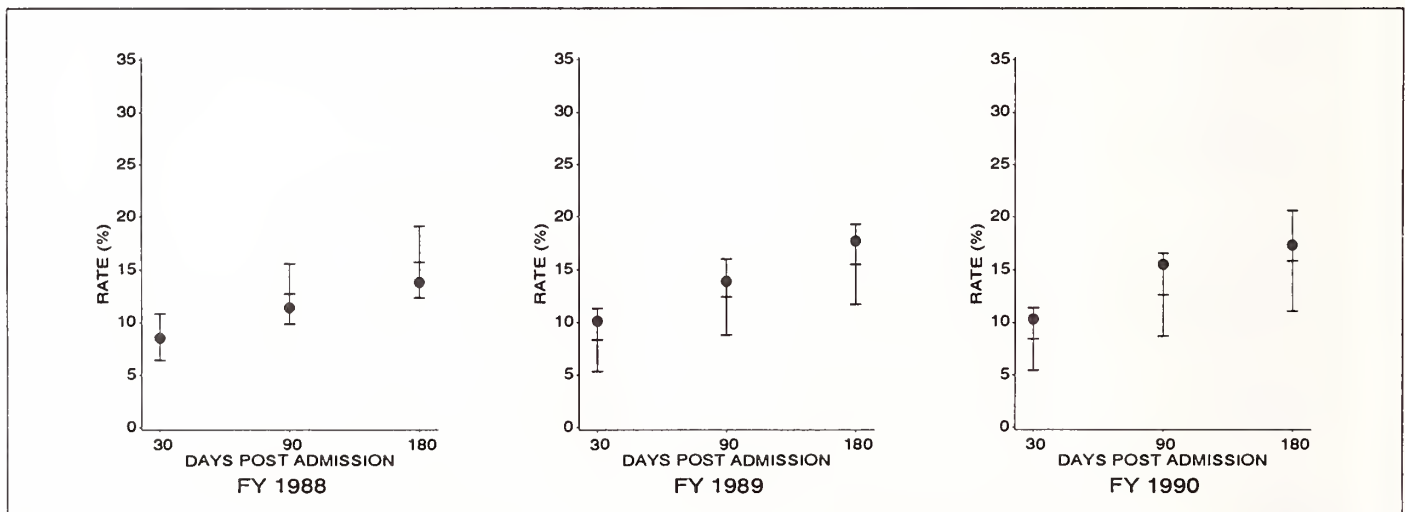
HWY 411, BOX 410  
ETOWAH, TN 37331  
Medicare Provider Number: 440054

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	744	10.3	8.4	1.5	15.5	12.6	2.0	17.3	15.8	2.4
CONDITIONS:										
Acute Myocardial Infarction.....	19	47.4	33.4	-----	47.4	36.9	-----	52.6	39.9	-----
Congestive Heart Failure.....	40	20.0	12.6	-----	22.5	19.1	-----	25.0	24.6	-----
Pneumonia/Influenza.....	69	11.6	13.6	5.3	15.9	18.4	7.5	17.4	21.6	6.6
Chronic Obstructive Pulmonary Disease.....	24	4.2	6.7	-----	16.7	12.3	-----	20.8	16.5	-----
Transient Cerebral Ischemia.....	29	0.0	1.8	-----	3.4	4.0	-----	3.4	6.5	-----
Stroke.....	19	21.1	22.1	-----	31.6	28.3	-----	31.6	32.2	-----
Hip Fracture.....	2	0.0	22.6	-----	0.0	36.8	-----	0.0	44.0	-----
Sepsis.....	7	28.6	19.7	-----	28.6	27.6	-----	28.6	32.4	-----
PROCEDURES:										
Angioplasty.....	0									
Coronary Artery Bypass Graft.....	0									
Initial Pacemaker Insertion.....	0									
Carotid Endarterectomy.....	0									
Hip Replacement/Reconstruction.....	0									
Open Reduction of Hip Fracture.....	0									
Prostatectomy.....	0									
Cholecystectomy.....	16	6.3	2.6	-----	6.3	4.6	-----	6.3	5.7	-----
Hysterectomy.....	4	0.0	0.2	-----	0.0	0.6	-----	0.0	1.2	-----

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**WOODS MEMORIAL HOSPITAL**  
 Medicare Provider Number: 440054

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	74.6 years	Cancer.....	4.2 %
Proportion female.....	63.0 %	Chronic cardiovascular disease.....	41.9 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	0.3 %
Referred by personal or HMO physician.....	42.7 %	Chronic renal disease.....	0.4 %
Transferred from skilled nursing facility.....	1.7 %	Chronic pulmonary disease.....	16.0 %
Admitted for elective procedure.....	12.2 %	Cerebrovascular degeneration.....	2.0 %
Admitted for emergency.....	7.5 %	Diabetes mellitus.....	8.2 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City .....	73.1%	Hospital .....	6.2 Days
State .....	25.6%	State .....	8.1 Days
Outside State .....	1.3%	National .....	8.6 Days
Total .....	100.0%		

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

PROFILE:		SPECIALTY SERVICES:	
Total Beds .....	116	Burn Unit .....	No
Occupancy Rate .....	70.0 %	Cardiac Intensive Care .....	No
Ownership/Control.....	Local Government	Comprehensive Geriatric .....	No
Medicare Discharges .....	58.2 %	Hospice Care .....	Yes
Case Mix Index (CMI) .....	0.9622	Medical/Surgical Intensive Care .....	Yes
STAFFING:		Organ/Tissue Transplant .....	No
Total Number of Physicians.....	15	Other Intensive Care .....	No
Percent of Physicians Board Certified Specialists .....	13.3 %	Trauma Center .....	No
Medical Residents/Interns .....	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
Registered Nurses.....	32	Alcohol/Drug .....	No
Licensed Practical Nurses .....	50	Rehabilitation.....	No
		Psychiatric .....	No
		Medicare Swing Beds .....	No

\*\* Except for CMI

\* Not used in calculating mortality rates

# TENNESSEE

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	165,028	8.6	8.8	0.1	13.3	13.4	0.2	16.5	16.8	0.2
CONDITIONS:										
Acute Myocardial Infarction.....	4,817	26.3	26.3	0.7	29.9	29.3	0.9	32.7	32.0	1.1
Congestive Heart Failure.....	7,916	14.1	13.9	0.4	22.7	22.2	0.5	28.5	28.2	0.6
Pneumonia/Influenza.....	8,495	14.0	15.1	0.5	19.8	20.8	0.8	23.0	24.5	0.7
Chronic Obstructive Pulmonary Disease.....	3,426	5.8	6.9	0.5	11.0	12.4	0.8	14.9	16.7	0.9
Transient Cerebral Ischemia.....	2,795	1.7	1.7	0.2	3.6	3.8	0.4	6.1	6.2	0.5
Stroke.....	5,937	18.5	19.5	1.0	25.3	25.7	1.1	29.0	29.4	1.0
Hip Fracture.....	3,672	5.7	6.3	0.5	10.4	11.1	0.9	13.3	14.4	0.9
Sepsis.....	2,093	28.0	25.8	1.9	35.9	33.8	1.9	40.8	38.5	2.0
PROCEDURES:										
Angioplasty.....	1,282	4.1	3.6	0.7	5.1	4.6	0.9	6.7	5.5	1.1
Coronary Artery Bypass Graft.....	2,528	5.7	5.9	0.6	8.4	8.3	0.6	9.9	9.3	0.7
Initial Pacemaker Insertion.....	982	2.7	3.3	0.8	6.1	6.3	1.1	9.4	9.0	1.4
Carotid Endarterectomy.....	798	1.6	1.6	0.5	2.9	2.9	0.6	4.4	4.3	0.8
Hip Replacement/Reconstruction.....	2,471	3.4	3.6	0.4	6.4	6.6	0.9	8.3	8.8	1.0
Open Reduction of Hip Fracture.....	1,743	5.3	5.6	0.6	9.3	10.3	1.0	12.6	13.6	1.3
Prostatectomy.....	4,395	1.1	1.0	0.2	2.4	2.3	0.3	4.1	3.8	0.4
Cholecystectomy.....	3,198	3.2	2.4	0.6	5.3	4.4	0.7	6.8	5.9	0.7
Hysterectomy.....	1,204	0.7	0.6	0.5	1.8	1.3	1.2	2.6	2.1	1.4

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

<b>DEMOGRAPHICS:</b>		<b>COMORBIDITIES:</b>	
Average age at admission.....	73.2 years	Cancer.....	6.9 %
Proportion female.....	56.5 %	Chronic cardiovascular disease.....	34.2 %
<b>ADMISSION SOURCES/TYPES:</b>		Chronic liver disease.....	0.7 %
Referred by personal or HMO physician.....	47.3 %	Chronic renal disease.....	3.2 %
Transferred from skilled nursing facility.....	0.3 %	Chronic pulmonary disease.....	15.5 %
Admitted for elective procedure.....	22.6 %	Cerebrovascular degeneration.....	4.1 %
Admitted for emergency.....	46.6 %	Diabetes mellitus.....	8.6 %



# ALL STATES

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES.....	6,542,299	9.0	9.0	----	13.9	13.7	----	17.3	17.1	----
CONDITIONS:										
Acute Myocardial Infarction.....	204,673	25.3	25.6	----	29.5	28.7	----	32.1	31.4	----
Congestive Heart Failure.....	335,426	14.3	14.4	----	22.9	22.8	----	29.2	29.0	----
Pneumonia/Influenza.....	313,303	15.3	15.5	----	21.5	21.3	----	25.5	25.1	----
Chronic Obstructive Pulmonary Disease.....	107,387	8.0	8.0	----	14.1	14.0	----	18.7	18.5	----
Transient Cerebral Ischemia.....	96,866	1.8	1.8	----	4.0	4.0	----	6.4	6.5	----
Stroke.....	241,803	19.7	19.8	----	26.5	26.3	----	30.4	30.0	----
Hip Fracture.....	163,386	6.7	6.5	----	11.7	11.5	----	15.1	15.0	----
Sepsis.....	80,999	25.6	25.7	----	34.6	33.8	----	39.8	38.6	----
PROCEDURES:										
Angioplasty.....	58,026	3.0	3.0	----	4.0	4.0	----	5.0	4.9	----
Coronary Artery Bypass Graft.....	80,798	6.0	5.7	----	8.3	8.1	----	9.5	9.2	----
Initial Pacemaker Insertion.....	49,642	3.2	3.3	----	6.5	6.3	----	9.1	9.1	----
Carotid Endarterectomy.....	29,990	1.6	1.5	----	2.8	2.8	----	4.0	4.1	----
Hip Replacement/Reconstruction.....	122,156	3.4	3.2	----	6.2	5.9	----	8.1	8.0	----
Open Reduction of Hip Fracture.....	80,075	6.1	6.0	----	11.2	11.0	----	14.5	14.5	----
Prostatectomy.....	211,087	0.9	1.0	----	2.2	2.3	----	3.7	3.8	----
Cholecystectomy.....	124,259	2.9	2.7	----	5.0	4.9	----	6.5	6.5	----
Hysterectomy.....	53,905	0.7	0.7	----	1.4	1.5	----	2.2	2.4	----

\* The Standard Deviation (SD) is not calculated.

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission.....	74.1 years	Cancer.....	7.6 %
Proportion female.....	55.9 %	Chronic cardiovascular disease.....	36.6 %
ADMISSION SOURCES/TYPES:		Chronic liver disease.....	1.0 %
Referred by personal or HMO physician.....	46.1 %	Chronic renal disease.....	3.4 %
Transferred from skilled nursing facility.....	1.1 %	Chronic pulmonary disease.....	15.0 %
Admitted for elective procedure.....	22.0 %	Cerebrovascular degeneration.....	3.9 %
Admitted for emergency.....	46.5 %	Diabetes mellitus.....	8.0 %



# **Hospital Comments**

BAPTIST MEMORIAL HOSPITAL  
MEDICAL CENTER  
899 MADISON AVENUE  
MEMPHIS, TENNESSEE 38146

JOSEPH H. POWELL, PRESIDENT

March 18, 1992

Medicare Provider Number: 440048

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dear Dr. Wilensky:

Baptist Memorial Hospital is a JCAHO accredited, 1970 bed tertiary care referral center with a distinct part rehabilitation unit, a distinct part psychiatric unit, and a hospital-based skilled nursing facility. Its primary service area covers three states, with additional patients being referred from numerous other states and foreign countries.

Analysis of the mortality statistics provided by the Health Care Financing Administration indicates that all observed rates for the 17 diagnostic categories fall well below their corresponding predicted rates or so close to the predicted rates that any difference is not meaningful. In addition, it is interesting to note that the observed mortality rates for the "all causes" categories for all three years reported and all three time periods post discharge are well below the lower limits of predictive ranges calculated at a 95% level of confidence. This is vividly portrayed by the graphs provided, and indicates statistically significant lower than expected mortality rates overall. We are pleased to report such excellent outcomes for the fifth straight year.

With respect to the additional information published with this year's statistics, it is interesting to note that 51.4% of the Medicare patients admitted to Baptist Memorial Hospital were from outside of Shelby County, which verifies the major tertiary care referral role this institution plays. In addition, Baptist's Case-Mix Index (a measure of the resources required to treat the average Medicare patient at a selected hospital as compared to the average Medicare patient seen in the sum of all hospitals in the country) of 1.5372 is significantly higher than the State of Tennessee Case-Mix Index of 1.3088, and the national Case-Mix Index of 1.0, which may explain the difference noted in length of stay.

Baptist Memorial Hospital is committed to the provision of high quality, cost-effective patient care, and has dedicated significant resources to the monitoring, evaluation, and continuous improvement of that care; all mortalities are reviewed as an integral part of this process. As in previous years, the mortality data published by the Health Care Financing Administration will be integrated into our ongoing quality monitoring processes. However, we continue to stress that mortality statistics should be viewed as just one

BAPTIST MEMORIAL HEALTH CARE SYSTEM, INC.

BAPTIST MEMORIAL HOSPITAL  
• MEDICAL CENTER  
• EAST  
• REGIONAL REHABILITATION CENTER

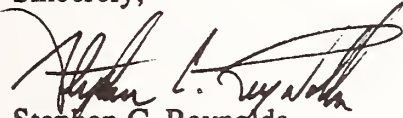


Baptist Memorial Hospital  
Medicare Provider Number: 440048  
March 18, 1992  
Page 2 of 2

component of a comprehensive quality management program, and not the ultimate indicators of quality.

Thank you for the opportunity to review and comment on the Medicare hospital mortality information for Baptist Memorial Hospital.

Sincerely,



Stephen C. Reynolds  
Executive Vice President and Chief Operating Officer



Baptist Memorial  
Hospital Huntingdon

631 R. B. Wilson Drive  
Huntingdon, Tennessee 38344

JAMIE TOWNSEND  
ADMINISTRATOR

TELEPHONE  
(901) 986-4461

Medicare Provider Number: 440016

March 18, 1992

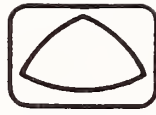
Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, MD 21207-5198  
ATTN: Robert Moore

Dear Dr. Wilensky:

Baptist Memorial Hospital - Huntingdon is a JCAHO Accredited, 70 bed acute care facility which provides quality services in a rural community. There are two local nursing homes which contribute a large portion of the elderly, chronically and terminally ill patients admitted to our facility.

Analysis of the mortality statistics provided by the Health Care Financing Administration indicates that the small number of cases in most of the categories makes any attempt at interpretation questionable. Some categories fall below and some above the "predicted" rates, which in itself is to be expected since the "predicted" rates are basically national averages for a similar population of patients. Further analysis of those categories for which a standard deviation was supplied indicates that, when ranges are calculated at a 95% level of confidence, all observed rates fall well within their predicted ranges for all three time periods post discharge. Therefore, in general, it appears that any difference between the observed and predicted mortality rates for the categories presented is not meaningful.

Baptist Memorial Hospital - Huntingdon is committed to the provision of quality patient care, and had dedicated significant resources to the monitoring, evaluation, and continuous improvement of that care. All mortalities are reviewed as an



Baptist Memorial  
Hospital Huntingdon

631 R. B. Wilson Drive  
Huntingdon, Tennessee 38344

JAMIE TOWNSEND  
ADMINISTRATOR

TELEPHONE  
(901) 986-4461

Medicare Provider Number: 440016

integral part of this process, and no quality problems have been identified. As in previous years, the mortality data published by the Health Care Financing Administration will be integrated into our ongoing quality monitoring processes. However, we continue to stress that mortality statistics should be viewed as just one component of a comprehensive quality assessment program, and not the ultimate indicators of quality.

Thank you for the opportunity to review and comment on the Medicare hospital mortality information for Baptist Memorial Hospital - Huntingdon.

Sincerely,

Jamie Townsend  
Administrator

JT:tm

cc: N. B. Bhat, Chief of Staff



UNION CITY, TENNESSEE 38261

901 885-2410

**MEDICARE PROVIDER NO:**  
**44-0130**

David C. Hogan  
Administrator

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Baptist Memorial Hospital-Union City is a rural community, 173-bed acute care facility that is JCAHO and State of Tennessee accredited and provides quality services. There are five (5) nursing homes within a ten (10) mile radius of the hospital which contribute to a large majority of the elderly, chronically, and terminally ill patients admitted to the facility.

Analysis of the mortality statistics provided by the Health Care Financing Administration indicates that the small number of cases in most of the categories makes any attempt at interpretation questionable. Some categories fall below and some above the "expected" rates, which in itself is to be expected since the "expected" rates are basically national averages for a similar population of patients. Further analysis of the category for which a standard deviation was supplied indicates that when the ranges are calculated at a 95% level of confidence, all observed rates fall well within their predicted ranges for all three time periods post discharge. In general, it appears that any difference between the observed and predicted mortality rates for the categories presented is not meaningful.

Baptist Memorial Hospital-Union City is committed to the provision of quality patient care, and has dedicated significant resources to the monitoring, evaluation, and continuous improvement of that care. All mortalities are reviewed as an integral part of this process, and no quality problems have been identified. As in previous years, the mortality data published by the Health Care Financing Administration will be integrated into our continuous quality improvement process. However, we continue to stress that mortality statistics should be viewed as just one component of a comprehensive quality improvement program and not an ultimate indicator of quality.

Thank you for the opportunity to review and comment on the Medicare hospital mortality information for Baptist Memorial Hospital-Union City.

Sincerely,

A handwritten signature in dark ink that reads "David C. Hogan". The signature is written in a cursive style with a prominent initial "D".

David C. Hogan

*"Your Health Is Our Concern"*



March 17, 1992

Health Care Finance Administration  
ATTN: Mr. Robert Moore  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12  
Security Office Park Building  
6325 Security Boulevard  
Baltimore, MD 21207-5187

Dear Mr. Moore:

We are in receipt of the 1990 HCFA Mortality Data for our facility. Having received this data only 10 days ago, and with a March 20 deadline for submission of comments to HCFA, it is impossible for us to accurately analyze and assess the data submitted to us from your office.

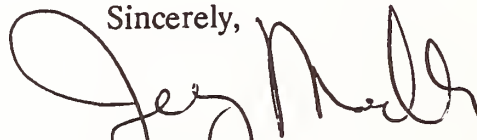
In reviewing the methodology used by HCFA, and in reading other critiques of the manner in which the HCFA mortality is derived, it appears to us that a patient's acuity is not taken into account with regard to the prediction of mortality. Although co-morbid conditions are given some "credit" in your mathematical scenario, the age of the patient, and overall patient condition are lacking in the assessment process utilized in the model you have developed. As a tertiary care referral center for approximately 14 other hospitals, and as a regional referral center for cancer treatment, it would appear that the HCFA mortality model will predispose us to a negative result via the mathematical model you utilize. For example, in reviewing the "open reduction of hip fracture" procedure listed on your report, we denote that the average mortality age of these patients was in excess of 80 years old. Additionally, in reviewing the mortality of our coronary artery bypass patients and correlating these with the age of patient, patient acuity, ejection fractions of the heart muscle, etc., it appears that BRMC, and surgeons associated with our facility operate on many patients in significantly more tenuous physical conditions than other referring hospitals. Therefore, although it is routinely recognized that a patient in need of a coronary artery bypass graph will have a lower predicted mortality with an ejection fraction of less than .60 versus those patients greater than .60, this is not taken into account with regard to your mathematical model. We, therefore, contend that the mortality study review currently utilized by HCFA inaccurately assesses the true quality of care picture offered by a hospital and its concomitant medical staff by not assessing the overall clinical acuity of a patient's condition.

Health Care Finance Administration  
Page 2  
March 17, 1992

HOSP. ID NO. 440012

Additionally, approximately 18 months ago, we realized that we were not placing the emphasis on proper coding of patient diagnoses that we should have. Since that time, we believe we have been accurately coding Medicare patients admitted to BRMC. Not coincidentally, our case mix index has risen from 1.22 for the 1989-90 time frame that the data in this report was accumulated, to approximately 1.38 currently. We believe that this undercoding of our case mix index significantly underreported the severity of illness of our patients and thus underestimated the predicted mortality rate of the same patients. Indeed, in comparison to other hospitals that we believe experience similar patient origin, case mix index, and overall acuity of patients, we feel that a true predicted mortality range of approximately 9.0 to 9.4 would probably be more accurate. With this range as to a predicted mortality estimate, BRMC would not "fall out" with regard to the 1990 HCFA Mortality Study.

Sincerely,

A handwritten signature in black ink, appearing to read "Jerry G. Moeller". The signature is fluid and cursive, with a large initial "J" and "M".

Jerry G. Moeller  
President

/mdf



P.O. Box 1225  
Nashville, TN 37202-1225  
(615) 342-1070

March 18, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6321 Security Blvd.  
Baltimore, MD 21207-5187

Attn: Robert Moore

Dear Dr. Wilensky:

Centennial Medical Center (ID440161) is in receipt of its FY 1990 Medicare Hospital Mortality Rates.

Centennial is especially gratified that its overall mortality rates from all causes remains well within the predicated range. Likewise we are gratified that we are well within range for all eight conditions tabulated.

For certain procedures, our numbers of cases are in some instances insufficient for in-depth statistical evaluation. We wish to take this opportunity to address specifically coronary angioplasty data. Critical evaluation and interhospital comparison of this data appears to be hampered by lack of severity of illness criteria. Thus, as in years past, we urge HCFA to adopt some system of basic severity of illness indicators so that hospitals may be more equitably compared. Centennial is confident in the quality of its coronary artery angioplasties. We take exception to the data concerning angioplasty on the attached report. Our own data for FY 1991 indicates 171 coronary artery angioplasties performed with an in-hospital mortality of 4.1%. We submit that these figures are commensurate with the severity of illness characteristics of these patients.

We ask that your data be rechecked against our figures.

Sincerely,

Robert H. Alford, M.D.  
Medical Director

Cliff Bauer  
Vice President, Operations

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March 16, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dear Ms. Wilensky:

Thank you for the opportunity to review our discharge data. There are several issues we believe should be pointed out.

Only 10% of the recipients in our community are over 65 years old. Our Medicare patient population, however, runs about 65% - 75% because we draw a large portion of our Medicare patients from nursing homes located in the Memphis area where several members of our medical staff serve as medical directors. A review of mortalities for FY 1990 shows that 32% of our Medicare patients came from nursing homes, not the 6.2% that HCFA used in figuring predicted mortality rates for us. The 6.2% represents, instead, patients billed at their nursing home addresses. We try to keep this figure under 10%, choosing instead to address the UB-82's to the guarantor's address. The guarantor is usually a family member.

It is also significant that 33.2% of our Medicare patients were discharged to extended care facilities for further treatment of chronic diseases. If a Medicare patient expires at this facility, the case is thoroughly reviewed to verify that the individual received appropriate, necessary intervention and treatment of their medical condition. These deaths are reviewed by the hospital's Quality Assurance Committee, Medicine and Surgery Committees, and the Utilization Review Committee as safeguards to assure that each patient receives the highest standard of medical intervention and Quality Care that is possible.

This hospital, as are all other Tennessee hospitals, is required to undergo review by the Mid South Foundation for Medical Care. This is the Peer Review Organization for the state of Tennessee which is under contract by the Health Care Financing Administration. Reviews are conducted to evaluate quality issues that could or have impacted patient care. There were no identified quality problems with any Medicare recipient admitted to this facility.

With best regards,

John D. Bartlett  
Executive Director

lr/2623A



DONELSON  
HOSPITAL *Personal Care, Trusted Professionals*

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March 16, 1992

Medicare Provider #  
440150

Mrs. Sandra Kappert  
Health Care Financing Administration  
Health Standards and Quality Bureau  
2-D-2 Meadows East Building  
6325 Security Boulevard  
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We have reviewed the 1990 fiscal year Medicare mortality statistics, and the data appear to be essentially accurate for patients who expired while hospitalized at Donelson Hospital. It is not possible to comment on the accuracy of the information for mortality which occurred outside the hospital, as it is very difficult to verify the circumstances and causes of death in those cases.

Overall, the data place Donelson Hospital within acceptable mortality ranges. It is a fact that mortalities can and do occur in spite of intensive, high quality hospital care. Factors such as severity of illness and comorbidities may significantly affect patient outcomes and must be considered in addition to the principle diagnosis. Only a review of actual medical records by qualified peers can reveal whether appropriate care was provided; outcome alone is not necessarily indicative of quality of care.

As one component of its ongoing quality assessment and improvement program, Donelson Hospital conducts an extensive review of each mortality occurring during hospitalization to identify ways to improve patient care. We applaud HCFA's efforts to improve the effectiveness of medical practice, and Donelson Hospital remains committed to the goal of continual quality improvement throughout our organization.

Sincerely,

  
William M. Gracey  
Chief Executive Officer

WMG:cdp



JOHNSON CITY  
MEDICAL CENTER  
HOSPITAL, INC.

400 STATE OF FRANKLIN ROAD  
JOHNSON CITY, TENNESSEE 37604-6094

PHONE-615-461-6111

March 6, 1992

Gail R. Wilensky, PhD.  
Administrator, Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

Dear Dr. Wilensky:

Thank you for giving us the opportunity to comment on the recently release HCFA Mortality data. We appreciate your consideration of the following comments for publication with release of our hospital-specific data.

As part of its continuous quality improvement program, Johnson City Medical Center Hospital receives input from various organizations and reviews data provided to incorporate into our quality program. The HCFA mortality statistics for the Federal Year 1990 have been reviewed. For all categories, including "all causes", specific conditions, and specific procedures, the observed mortality was within one standard deviation of the predicted mortality. Therefore, probability statistics as provided in the data demonstrate that the 30, 90, and 180 day discharge mortality rates of Medicare patients at the hospital occur at a rate that is predicted considering patients comorbid medical conditions and demographics.

Although this information is incorporated into our quality improvement plan, the lack of demonstration of findings outside the range expected fails to provide us with focused opportunities for improvement with either a specific disease or hospital system that could be identified through this information. In addition, reflection upon the statistics concerning our patients for the last three years also fails to show any trend that requires additional analysis.

Sincerely,

Dennis Vonderfecht  
Administrator and Chief Executive Officer  
Johnson City Medical Center Hospital

DV/js



**METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY**

METROPOLITAN NASHVILLE GENERAL HOSPITAL  
72 HERMITAGE AVENUE  
NASHVILLE, TENNESSEE 37210

METROPOLITAN NASHVILLE GENERAL HOSPITAL  
Hospital I.D. # 44-0111  
72 Hermitage Avenue  
Nashville, TN 37210

**COMMENTS ON MEDICARE MORTALITY REPORT**

1. Our hospital treats a disproportionate share of chronically ill patients due to our affiliation with a 541 bed long term care facility.
2. General Hospital is a city hospital and contracts with State facilities housing patients with many chronic medical problems. This group of patients includes many under 65 years of age, but have Medicare through their disability.
3. General Hospital being a hospital of "last resort" serves many patients who have low income problems and who, as such, frequently tend to be more non-compliant with prescribed regimens. As a city hospital, General Hospital has a very active Emergency Room/Trauma Center which receives both victims of violent crimes and accident trauma patients, whereby adding to the mortality rate.



March 17, 1992

Gail R. Wilensky, Ph.D., Administrator  
Healthcare Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12 Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

**ATTENTION: Robert Moore**

These comments are in response to the HCFA Hospital Information Report prepared on our hospital for the period October 1, 1989 - September 30, 1990.

HCA Regional Hospital is accredited by the Joint Commission on Accreditation of Healthcare Organizations (JCAHO) and has an ongoing quality assurance program designed according to JCAHO standards. As part of the continuing quality assurance process, the hospital conducts a regular, ongoing mortality review on 100% of deaths occurring within the hospital. This ongoing review which includes members of the medical staff, nursing staff and quality assurance departments, gives a level of confidence regarding the quality of care provided by the physicians and hospital. The HCFA Hospital Information Report, specifically the mortality data will be carefully analyzed as part of this process.

We note that the mortality statistics reported for our hospital in FY 1990 fall within the predicted mortality range or within plus or minus two standard deviations when the standard deviation is provided. We also note the reduction in mortality rates when comparing 1990, 1989 and 1988. This is not unexpected given our internal mortality review. There are, however, some areas where the drawing of conclusions without the benefit of indepth internal analysis could be misleading.



Healthcare Financing Administration

Page 2

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For example, of the eight specific conditions identified, only two had enough cases or deaths for a standard deviation to be calculated, and of the nine identified procedures, only two had a standard deviation applied. Quoting from page A-2 of the HCFA Overview Document, "The precision and interpretability of our (HCFA's) estimates are questionable when the standard deviation could not be calculated (generally in categories with no deaths or 50 or fewer cases)." It would not be appropriate to draw conclusions from statistics reported for those conditions and procedures. Further, we note that on a number of occasions, patients were transferred from our facility to other acute care, rehabilitation, or long-term care facilities. While the mortality is applied to our hospital, we can not attest to the care provided patients at those facilities.

With respect to the hospital characteristics, we would call attention to the high case mix index (CMI) of 1.4179, a reflection of the medical complexity of Medicare patients treated at our hospital. I would also note that the report identifies 39 total physicians on the hospital staff. There are actually 194 physicians on the medical staff, with 50 being members of the active staff. We would also note that in the past year the hospital has opened a dedicated cardiac intensive care unit, dedicated surgical intensive care unit, and made provisions for hospice care.

In summary, the data reported by HCFA can and will be used by the hospital as part of our ongoing quality assurance process. However, it would be inappropriate and misleading to draw specific conclusions from the data as presented. We appreciate the opportunity to provide these comments.

Sincerely,



Donald H. Wilkerson  
President and Chief Executive Officer

DHW/rm



Hospital ID #: 440152

March 19, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTENTION: Robert Moore

Dear Ms. Wilensky:

The Regional Medical Center at Memphis (The MED) is a 467 bed acute-care hospital serving a large, indigent, central city population. We are a major teaching facility for the College of Medicine, University of Tennessee, Memphis, and operate the only Level I Trauma Center and Burn Unit in the region. We also house very large high-risk obstetrics and neonatal intensive care programs. Medicare patients represent a small percentage of our discharges. The FY 1990 Medicare Hospital Mortality Rates revealed that our hospital had higher than expected medicare mortality rates for the time period studied (October 1, 1989-September 30, 1990).

We do not believe that HCFA's model for predicting hospital mortality rates accurately considers and adjusts for the characteristics of the patient population we serve.

The MED cares for a high proportion of critically ill patients of advanced age, whose deaths are frequently anticipated at the time of admission. The MED frequently serves as the final-care facility for the 900 long term care beds (585 ICF and 314 SNF) operated by Shelby County. Patients from nursing homes represented 33% of our Medicare deaths. Approximately 64% of our admissions were through the emergency room. These patients represented seriously ill patients with acute and chronic "medical" problems such as myocardial infarction, congestive heart failure, pneumonia, and sepsis. We had very few "elective" admissions for surgical procedures. These "relatively well" patients accounted for only 4.5% of our Medicare admissions. Significantly, our mortality information also included 60 deaths (21% of our total Medicare deaths) associated with trauma (burns, motor vehicle accidents, gun shot wounds, etc.).

We reviewed the FY 1990 Medicare Hospital Mortality Information and the records of our patients included in this study. We were unable to identify any patterns of adverse quality of care. We utilized the MedisGroup tracking system to

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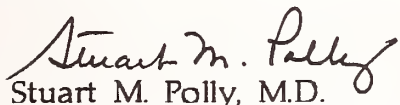
assign severity of illness indices and to compare our patients and their outcome with similar institutions. We concentrated on those study conditions with a sufficient number of cases to be meaningful: congestive heart failure, pneumonia/influenza, stroke, and sepsis. For congestive heart failure our observed mortality was less than predicted and for stroke we equalled the predicted rate.

The higher than expected mortality rates for pneumonia/influenza and sepsis were consistent with the patients seen. Our 12 pneumonia/influenza deaths averaged 74 years of age (67% over 80 years), had an average weighted admission severity (AWAS) score of 2.9 (MedisGroup: 0-4, 4 most severe), and 60% had been placed on DNR (do not resuscitate) status at the time of admission. The 30 sepsis deaths averaged 84 years of age, had an AWAS of 3.2, and 83% had been placed on DNR status at admission.

Our institution is dedicated to the provision of the highest quality care available. We maintain an aggressive, ongoing, quality improvement process. A special mortality validation survey was conducted in June, 1990, by the Tennessee State Survey Agency and we were found to be in compliance with all the Medicare conditions of participation. In July, we underwent a JCAHO accreditation survey and received a full three-year accreditation without any type 1 recommendations, placing us among a small, select, number of hospitals to be so evaluated.

In summary, we believe that our Medicare Hospital Mortality Rates are consistent with the population we serve. Our patients represent a significantly sicker group than that seen in the average U.S. hospital. We have an active quality assurance/quality improvement program and continue to work toward maximizing both short and long term clinical outcome. We look forward to working with HCFA and our PRO in focused hospital reviews.

Sincerely,



Stuart M. Polly, M.D.  
Chief Medical Executive Officer





5959 Park Avenue  
Memphis, TN 38119-5150  
Telephone: (901) 765-1000

Mailing Address  
P.O. Box 171808  
Memphis, Tennessee 38187-1808

# St. Francis Hospital

March 18, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management & Strategy  
Room 3-A-12, Security Office Park Bldg.  
6325 Security Blvd.  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

RE: ENCLOSURE C: ST. FRANCIS HOSPITAL  
HOSPITAL ID: 440183  
5959 PARK AVENUE  
MEMPHIS, TN 38119

Dear Ms. Wilensky:

After reviewing the demographic data in Enclosure C, I would like to offer the following corrections. In the year of 1990:

Transferred from SNF was 518; not 0.0%  
Total beds at SFH was 693; not 830  
Medical Residents was 18; not 0  
Total beds at SFNH was 197

Specialty Services in 1990 Cardiac  
Intensive Care = 16 beds

After reviewing the Hospital Mortality Rates for St. Francis Hospital in 1990, I suggest that Health Care Financing Administration consider supplying comparative data on the status of the patient at discharge, as well as the 30, 90 and 180 day mortality rates.

Those conditions and procedures listed which indicate that St. Francis Hospital is above the predictated mortality rates will be further reviewed by the appropriate hospital committees.

Sincerely,

M. Rita Schroeder, President

MRS/mbw









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